



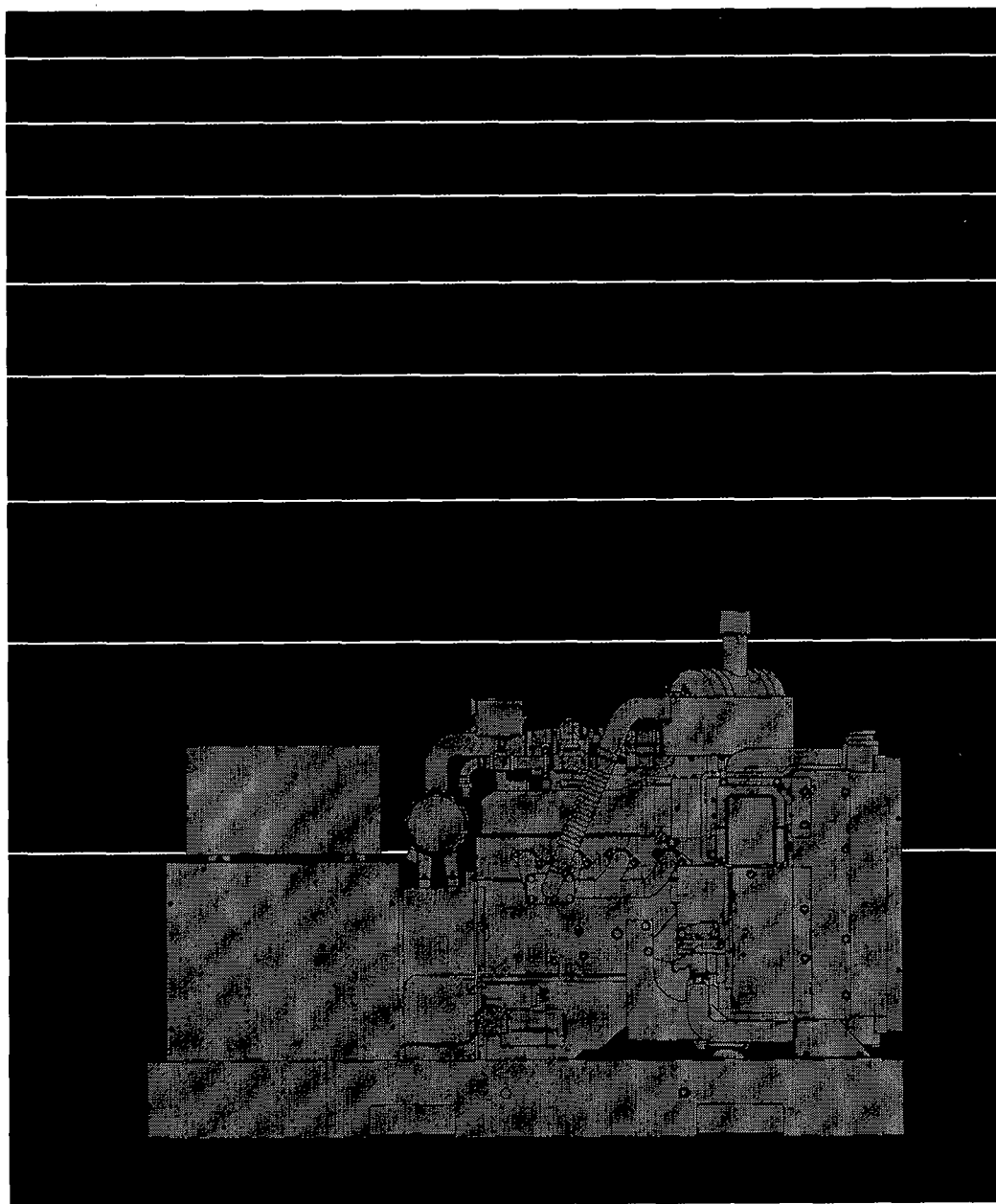
# Parts Catalog

GEAD

GEAE

GEAF

Remote Terminal  
Generator Set



Printed in U.S.A.

928-0231 (GEAD Spec A) 11-96  
(GEAE, GEAF Spec A, B)  
Replaces (GEAD, GEAF Spec A) (GEAE Spec A, B) 7-95

## Introduction

This catalog applies to the standard generator models GEAD, GEAE and GEAF as listed in the Generator Set Data Table. Parts are arranged in groups of related items and each illustrated part is identified by a reference number corresponding to the same reference number in the parts list. Parts illustrations are typical. Unless otherwise mentioned in the description or page heading, parts are interchangeable between models. Throughout this catalog left and right sides are determined by facing the engine end (front) of the set.

Engine parts that have been modified or added by Onan are identified in this catalog. All other engine replacement parts must be ordered from the engine manufacturer by referring to the engine manufacturer's nameplate and supplying all available information. Contact your nearest engine parts distributor for assistance in ordering replacement parts.

## Replacement Engine

<b>Onan/Cummins Generator Model</b>	<b>Ford Engine Model</b>
GEAD	LSG-423I-6005-A Spec No. 3X15101
GEAE	LRG-423I-6005-A Spec No. 3X15101 LIMA
GEAF Spec A	LSG-423I-6005-A Spec No. 3X15101
GEAF Spec B	LRG-423I-6005-A Spec No. 5C199-BA

Replacement engines cannot be ordered from Onan.  
Order from your nearest Ford distributor.

## Generator Set Data Table

<b>Model Specification</b>	<b>Electrical Data</b>					<b>Battery Voltage</b>
	<b>Watts</b>	<b>Volts</b>	<b>Hertz</b>	<b>Wire</b>	<b>Phase</b>	
10GEAD/*	10,000	120/240	60	4	1	12 VDC
20GEAE/*	20,000	120/240	60	4	1	12 VDC
25GEAF/*	25,000	120/240	60	4	1	12 VDC

\*—The diagonal line (/) in the model and specification number separates generator set characteristics from the specification number and letter. The specification number denotes customer requested options or deviations from the standard model. The specification letter advances (A to B, B to C, etc.) with major manufacturing changes.

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## Abbreviations

Some of the following abbreviations may be used throughout this Parts Catalog;

Alternating Current	AC	Not For Sale	NFS
Ampere	Amp	Nominal Pipe Thread	NPT
As Required	A/R	Outside Diameter	OD
Automatic Voltage Regulator	AVR	Ounce	oz.
American Wire Gauge	AWG	Permanent Magnet Exciter	PMG
Degree	Deg	Phase	Ph
Direct Current	DC	Printed Circuit	PC
External Tooth	ET	Radio Frequency Interference	RFI
External/Internal Tooth	EIT	Right	RT
Ground Fault Interrupter	GFI	Specification	Spec
Inside Diameter	ID	Thick	Thk
Internal Tooth	IT	Underwriters Laboratories Inc.	UL
Kilowatt	kW	Union National Coarse	UNC
Liquid Petroleum Gas	LPG	Union National Fine	UNF
Left	LT	Volts Alternating Current	VAC
Meter	M(meter Number)	Volts Direct Current	VDC
Millimeter	mm	With	W/(ET, IT, EIT)

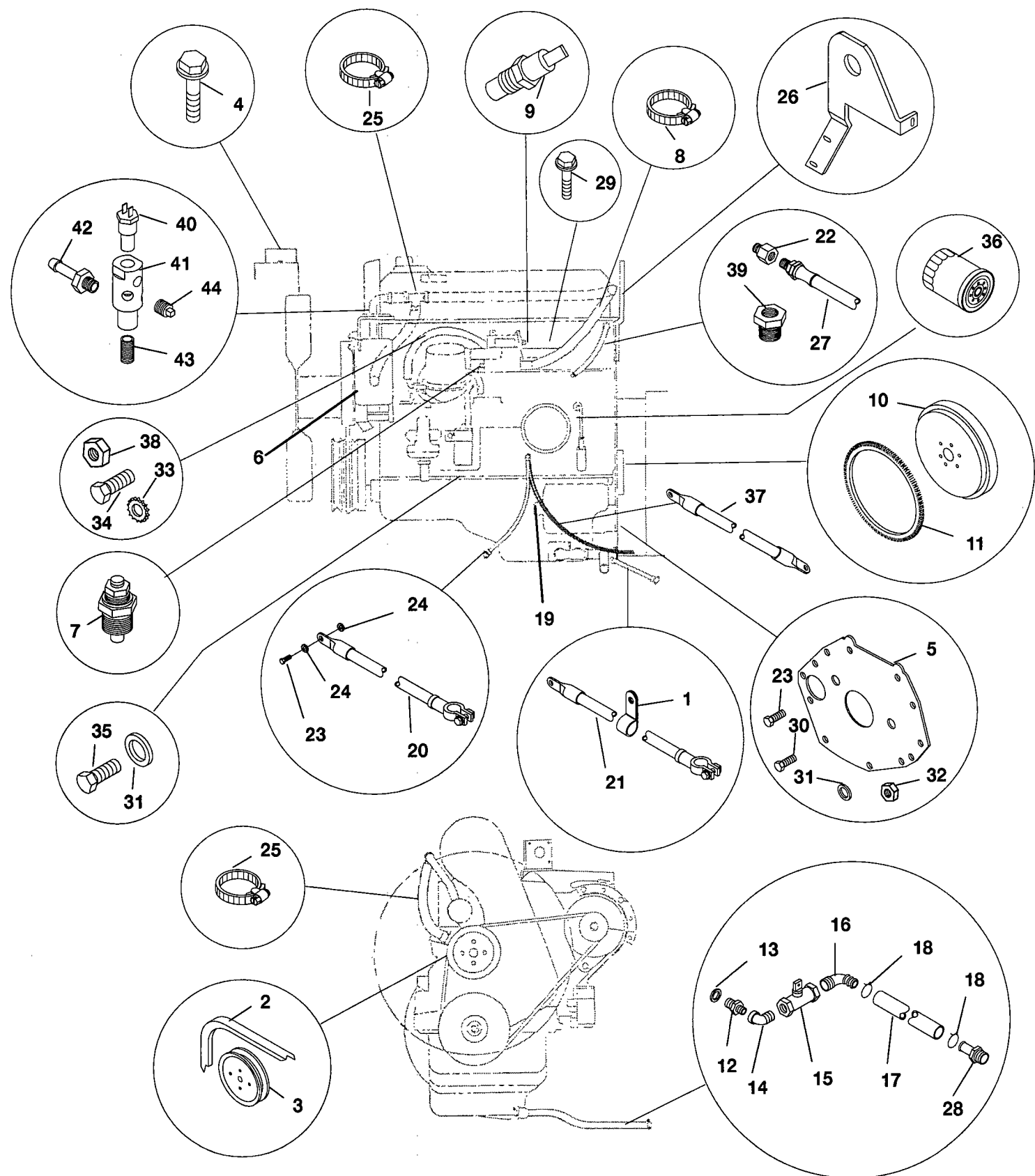
## Paint and Thread Sealant

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Onan Green Enamel (Non-Metallic)				Cummins Beige Enamel
	525-0305	-	13 oz. Pressurized Spray Can		525-0551-02	-	13 oz. Pressurized Spray Can
	525-0306	-	Quart Can		525-0551-03	-	Quart Can
	525-0304	-	Gallon Can		525-0551-04	-	Gallon Can
					518-0601	-	Sealant, Thread (6 ml Tube)





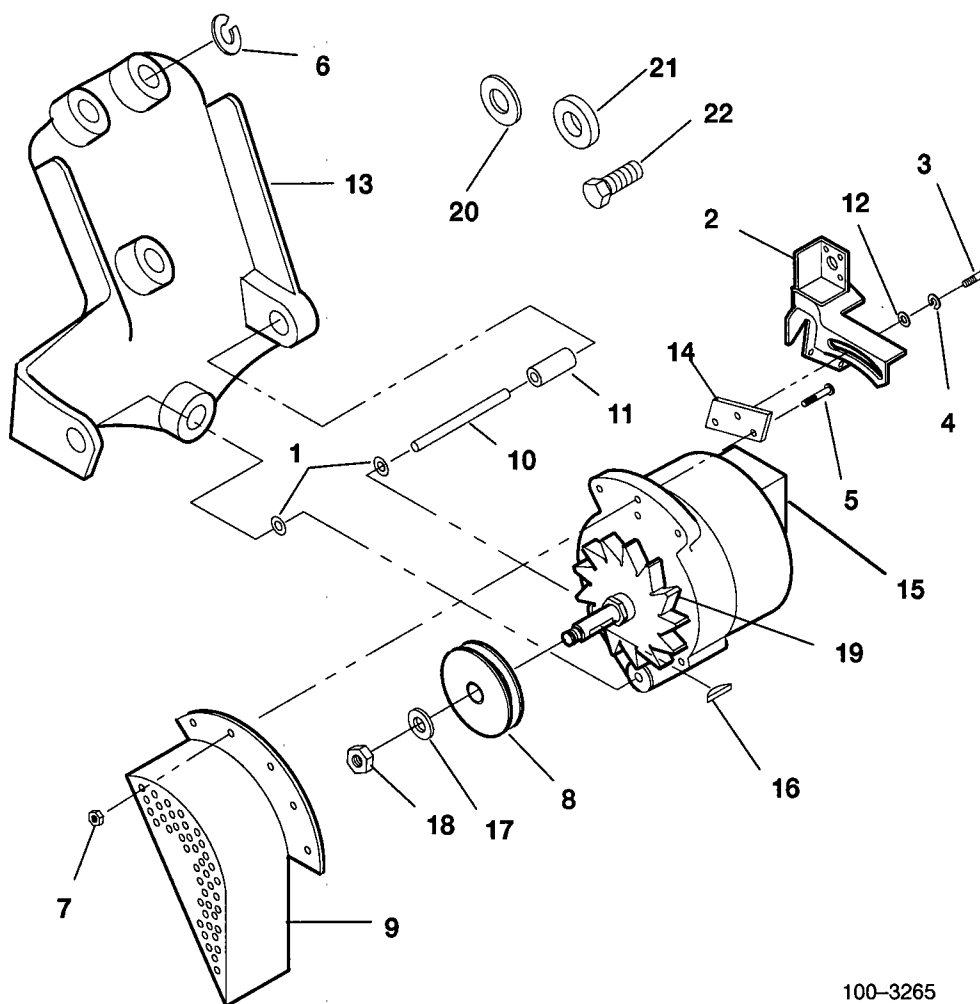
## External Engine Parts



## External Engine Parts

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2634	4	Clamp, "J"	24	856-0010	2	Washer, Lock – W/ET (3/8")
2	511-0112	1	Belt, Fan – Spec A	25	503-0183	4	Clamp, Hose
3	512-0154	1	Pulley, Fan – Spec A	26			Bracket, Lifting
4	821-2023	3	Screw, Self-Locking – Hex Washer Head (M5 x 20mm)		403-3699-02	1	Spec A
5	101-0813-02	1	Backplate	27			Line, Flexible
6	191-1872	1	Alternator – Complete (See Separate Page for Components) Spec A (G1)		501-0003	1	Spec A (9")
7	193-0318	1	Sender, Water Temperature – Spec A (E2)		501-0004	1	Spec B (12")
8	503-0685	2	Clamp, Hose – Spec A,	28	502-0415	1	Coupling, Hose (1/2" Pipe to 5/8" Hose)
9	309-0437	1	Switch, High Engine Temperature – Spec A (S2)	29	800-2063	1	Screw, Cap – Hex Head (M8 x 50mm)
10	104-1892	1	Flywheel Assembly (Includes Ring Gear)	30			Screw, Cap – Hex Head
11	104-1872	1	Gear, Ring		800-2089	2	M10 x 40mm
12	102-1054	1	Adapter, Oil Drain		800-2090	2	M10 x 45mm
13	102-1320	1	Gasket, Oil Drain – Spec A	31			Washer, Flat (.406" ID x .781" OD x .1345" Thk)
14	505-0050	1	Elbow, Pipe – Street (1/2" x 90 Deg)		526-0174	8	Spec A
15	504-0011	1	Valve, Shutoff (1/2")		526-0174	12	Spec B
16	502-0632	1	Elbow, Hose – 90 Deg (1/2" Pipe to 5/8" Hose) Spec A	32	860-2009	4	Nut, Hex (M10)
17	503-1657	–	Hose – Bulk (5/8" ID) (Order by the Foot – 1 Foot Required)	33			Washer
18	503-0131	2	Clamp, Hose		856-0008	1	Lock – EIT (5/16")
19	191-1959	1	Starter – Complete (See Separate Page for Components) Spec A, GEAF Spec B (B1)		850-2008	3	Lock – Spring (M8) Spec B
20	416-0530	1	Cable, Battery (16") Negative		526-2100	2	Flat (M8) Spec B
21	416-0618	1	Cable, Battery (42") Positive	34			Screw, Cap – Hex Head
22			Fitting		800-2061	1	M8 x 40mm
	502-0033	1	Connector, Inverted Male – Spec A		800-3036	1	M8 x 80mm – Spec B
	502-0065	1	Elbow, Inverted Male – 45 Deg – Spec B	35	800-2086	1	Screw, Cap – Hex Head (M10 x 25mm) Spec A
23			Screw, Cap – Hex Head (M10 x 25mm)	36	122-0816	1	Filter, Oil – Spec A
	800-2086	3	Spec A	37	416-1016	1	Cable, Ground (32") Starter to Engine
			Spec B	38	860-2008	2	Nut, Hex (M8) Spec B
	800-2086	5	GEAE	39	502-0029	1	Bushing, Pipe – Brass – Spec B
	800-2086	4	GEAF	40	193-0447	1	Sender, Combination – Water Temperature Switch and Water Temperature Gauge – Spec B
				41	154-2987	1	Manifold, Coolant – Spec B
				42	502-0943	1	Connector, Hose – Spec B
				43	505-0101	1	Nipple, Pipe – Close (3/8" x 1-1/4") Spec B
				44	502-0155	2	Plug, Pipe – Square Head (3/8") Spec B

## Alternator Spec A

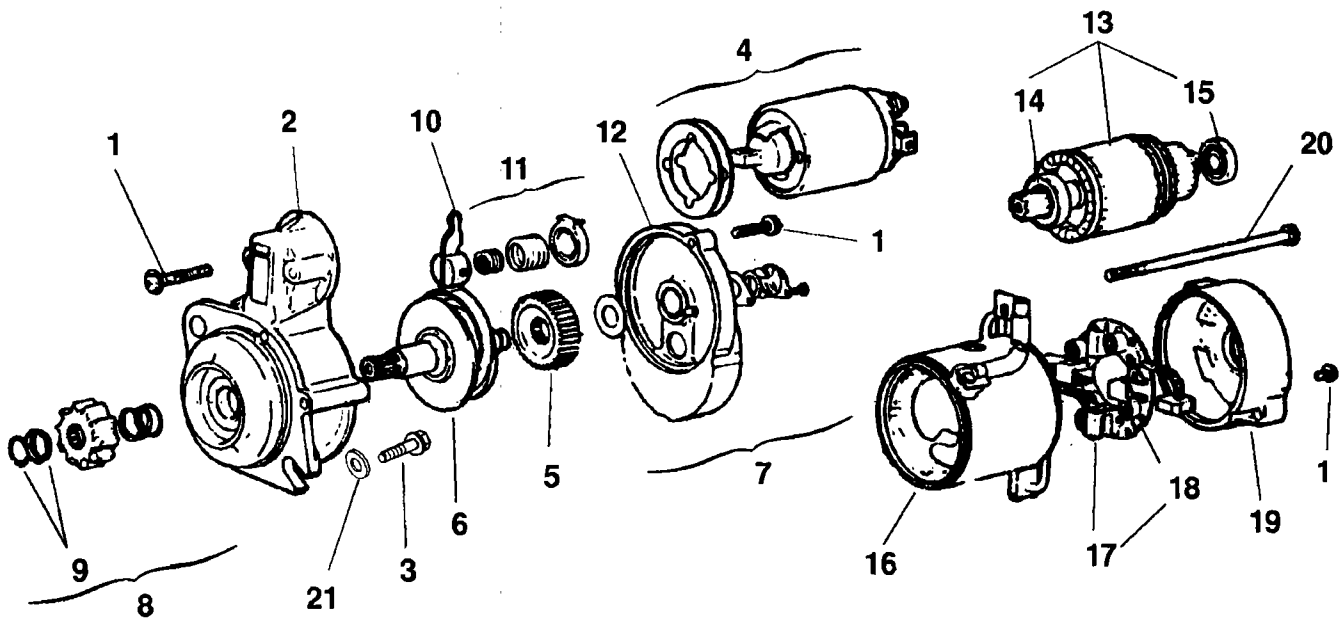


100-3265

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	191-1872	1	Alternator – Complete (Includes Parts Marked *)	11	191-0571	1	Spacer, Alternator Mounting (11/16" OD x 1-13/16" Long)
1	526-0032	2	Washer, Flat (7/16")	12	526-0030	1	Washer, Flat (3/8")
2			Bracket, Adjusting	13	191-1369	1	Bracket, Alternator Mounting
	191-2090	1	GEAD, GEAE	14	191-1375	1	Spacer
	191-2162	1	GEAF	15	191-1390	1	*Regulator, Voltage
3	800-0048	1	Screw, Cap – Hex Head (3/8-16 x 3/4")	16	515-0093	1	*Key
4	850-0050	1	Washer, Lock – Spring (3/8")	17	851-0039	1	*Washer, Spring
5	814-2121	2	Screw, Machine – Slotted – Countersunk Flat Head (M8 x 30mm)	18	191-0941	1	*Nut, Hex (5/16-18)
6	850-2008	3	Washer, Lock – Spring (M8)	19	191-1981	1	*Fan, Alternator
7	870-2055	2	Nut, Locking (M8)	20	526-2148	2	Washer, Flat (M12)
8	191-1387	1	Pulley, Alternator	21	526-0174	2	Washer, Flat (.406" ID x .781" OD x .1345" Thk)
9	191-2143-03	1	Guard, Alternator Belt	22	800-2086	1	Screw, Cap – Hex Head (M10 x 25mm)
10	191-0716	1	Spacer, Alternator Mounting (1/2" OD x 2-3/4" Long)				

\* – Parts Included in 191-1872 Alternator

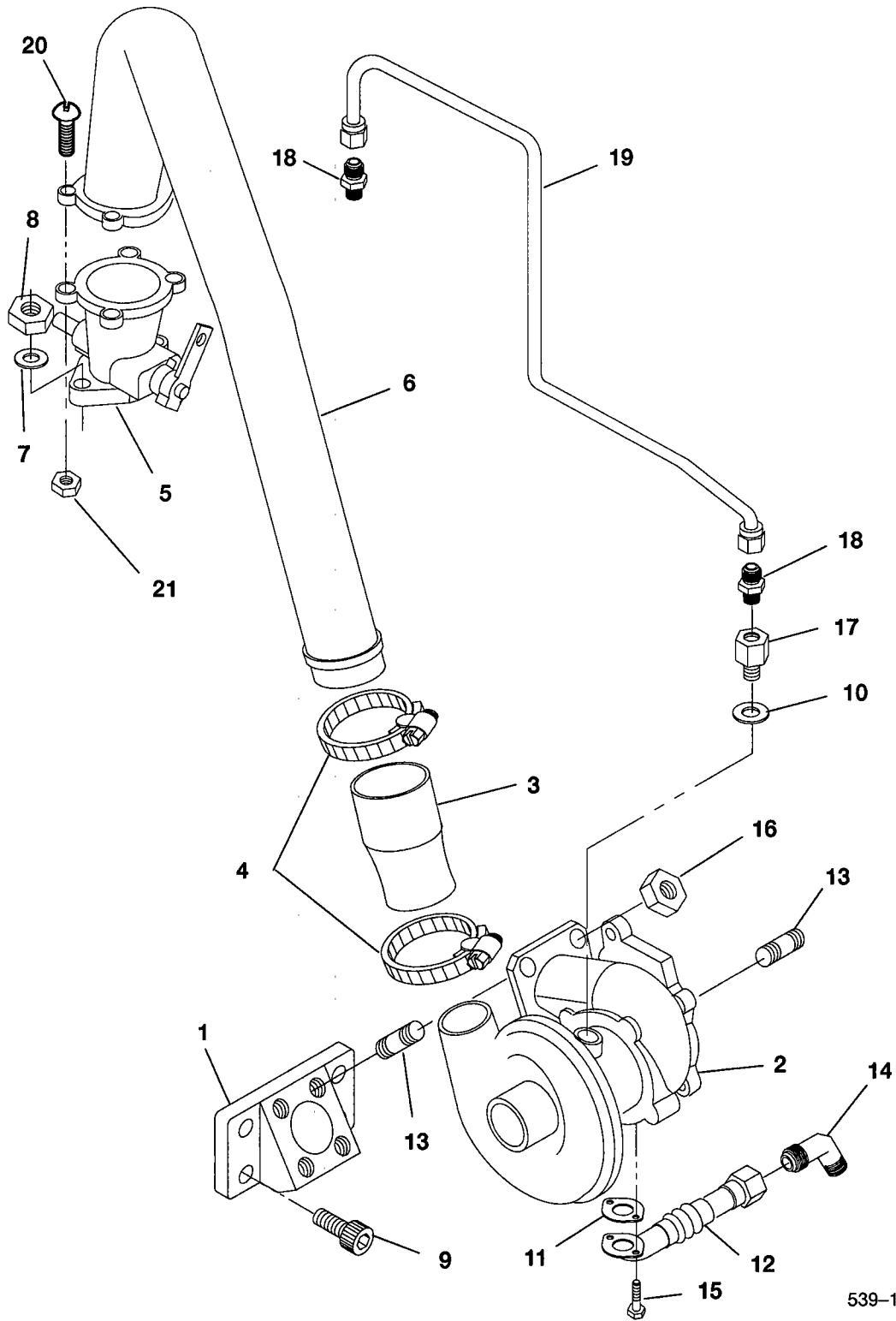
# **Starter Components Spec A, GEAF Spec B**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	191-1959	1	Starter - Complete
1	191-1450	1	Screw, Set
2	191-1449	1	Bracket Assembly, Front (Includes Bearing)
3	800-2113	2	Screw, Cap - Hex Head (M12 x 35mm)
4	191-1994	1	Switch, Solenoid
5	191-1446	1	Gear
6	191-1445	1	Clutch
7	191-1444	1	Cover Set (Includes Cover, Plate, Washers, Snap Ring and Screws)
8	191-1443	1	Pinion Set (Includes Pinion, Spring and Stopper Set)
9	191-1442	1	Stopper Set (Includes Stopper and Ring)
10	191-1441	1	Lever Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
11	191-1991	1	Spring Set
12	191-1439	1	Bracket Assembly, Center
13	191-1438	1	Armature Assembly (Includes Bearings)
14	191-1437	1	Bearing, Center
15	191-1436	1	Bearing, Rear
16	191-1992	1	Yoke Assembly (Includes Pole Shoes, Field Coil and Positive Brushes)
17	191-1993	1	Holder, Brush (Includes Negative Brushes)
18	191-1433	4	Spring, Brush
19	191-1432	1	Bracket, Rear
20	191-1431	1	Bolt Set
21	526-0174	2	Washer, Flat (.406" ID x .781" OD x .1345" Thk)

# **Turbocharger GEAF Spec A**

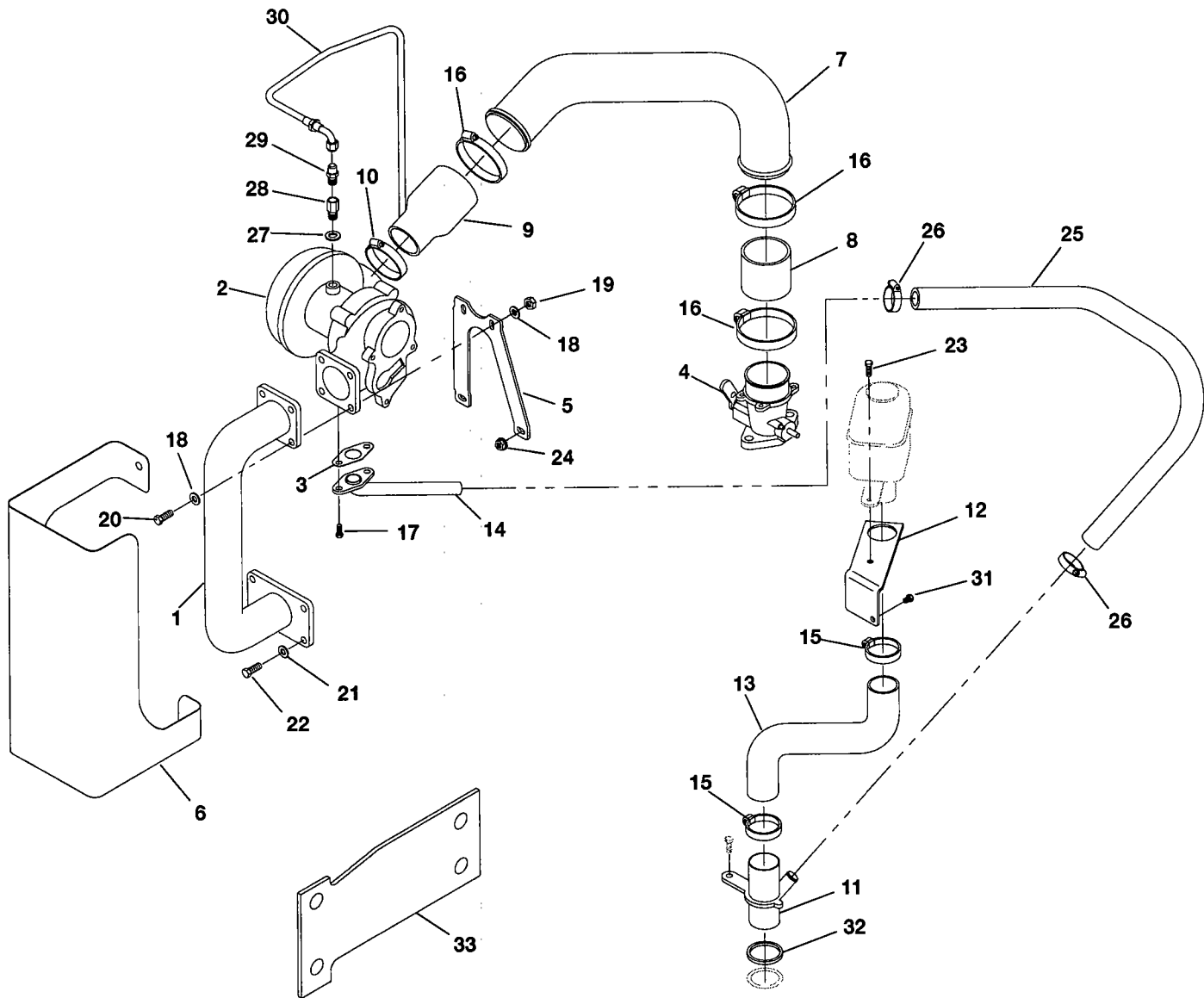


539-1598

## Turbocharger GEAF Spec A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	127-0418	1	Adapter, Turbocharger	11	127-0424	1	Gasket, Oil Drain
2	127-0416	1	Turbocharger	12	127-0425	1	Drain, Oil
3	503-1946	1	Hose, Turbo Outlet	13	520-2219	8	Stud (M8 x 36mm)
4	503-1140	2	Clamp, Hose	14	502-1242	1	Elbow, Male – 45 Deg
5	141-0973	1	Body, Throttle (Includes top and bottom mounting gaskets and tube to throttle body mounting screws)	15	800-2027	2	Screw, Cap – Hex Head (M6 x 10mm)
6	127-0420-02	1	Tube, Turbocharger	16	750-1006	4	Nut, Hex (M8)
7	526-2100	2	Washer, Flat (M8)	17	502-1243	1	Fitting, Oil Inlet
8	860-2008	2	Nut, Hex (M8)	18	502-1240	2	Connector, Male
9	725-1075	4	Screw, Cap – Socket Head (M10 x 25mm)	19	127-0426	1	Tube, Oil Supply
10	526-0420	1	Washer, Flat – Copper (3/8" ID x 5/8" OD x 1/32" Thk)	20	813-0103	4	Screw, Machine – Round Head (10-32 x 3/4")
				21	870-0131	4	Nut, Hex – W/ET (10-32)

# **Turbocharger** **GEAF Spec B**



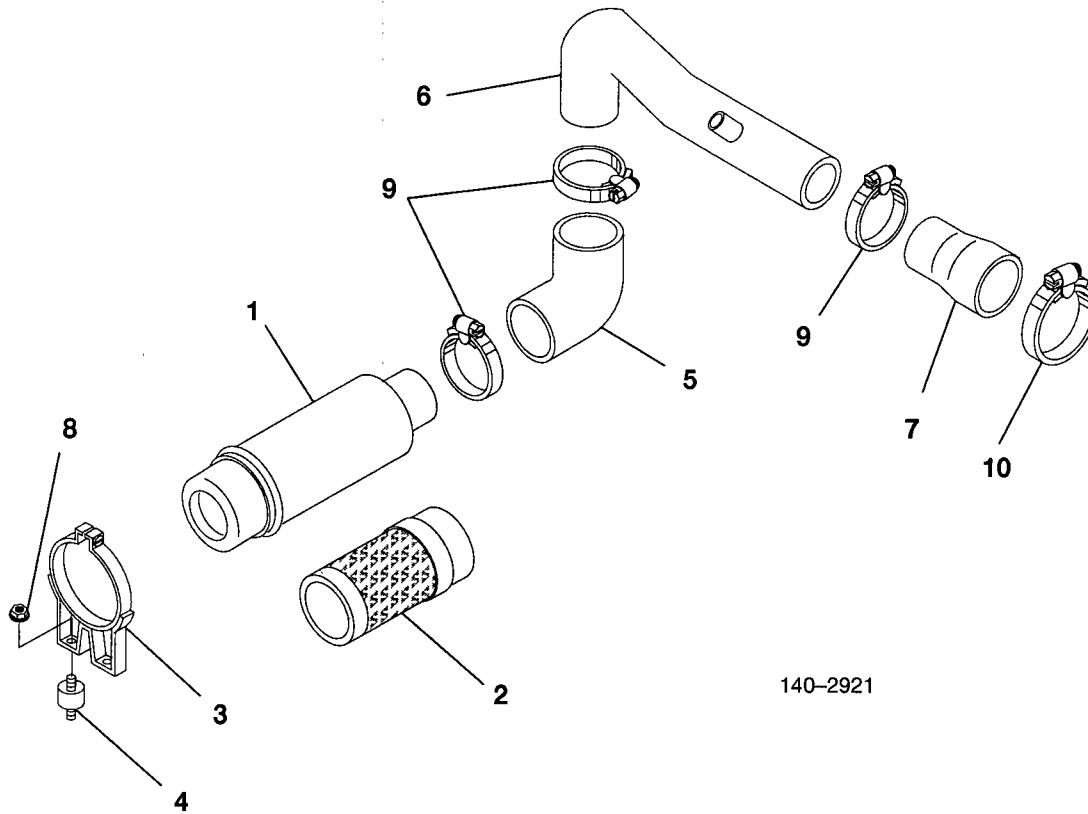
539-1698

## Turbocharger GEAF Spec B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3006	1	Tube, Turbocharger Exchange	19	860-2008	4	Nut, Hex (M8)
2	127-0438	1	Turbocharger	20	800-2058	4	Screw, Cap – Hex Head (M8 x 25 mm)
3	127-0424	1	Gasket, Oil Drain	21	526-2121	4	Washer, Flat
4	141-0977	1	Body, Throttle (Includes top and bottom mounting gaskets and tube to throttle body mounting screws)	22	800-2086	4	Screw, Cap – Hex Head (M10 x 25 mm)
5	123-2070	1	Bracket, Support	23	800-2031	1	Screw, Cap – Hex Head (M6 x 14 mm)
6	155-3023	1	Shield, Heat	24	870-2065-03	2	Nut, Hex – Flange Head (M8)
7	127-0433	1	Tube, Turbocharger	25	503-1791	1	Hose, Oil Return Turbo 21 inch length
8	503-1507	1	Hose, Air Duct	26	503-0398	2	Clamp, Hose
9	503-1990	1	Hose, Air Duct – Reducer	27	526-0420	1	Washer, Flat
10	503-1138	1	Screw, Hose Clamp	28	502-1243	1	Fitting, Oil Inlet
11	123-2071	1	Adapter, Oil/Air Separator	29	502-1240	1	Connector, Male
12	123-2075	1	Bracket, Oil/Air Separator	30	127-0426	1	Tube, Oil Supply
13	503-1991	1	Hose, Oil/Air Separator	31	800-2080	1	Screw, Cap – Hex Head (M10 x 12 mm)
14	127-0434	1	Drain, Oil	32	526-0428	1	Spacer
15	503-0398	2	Clamp, Hose	33	128-0250	1	Insulation, Turbo
16	503-1141	3	Screw, Hose Clamp				
17	800-2029	2	Screw, Cap – Hex Head (M6 x 12 mm)				
18	526-2101	8	Washer, Flat (M8)				



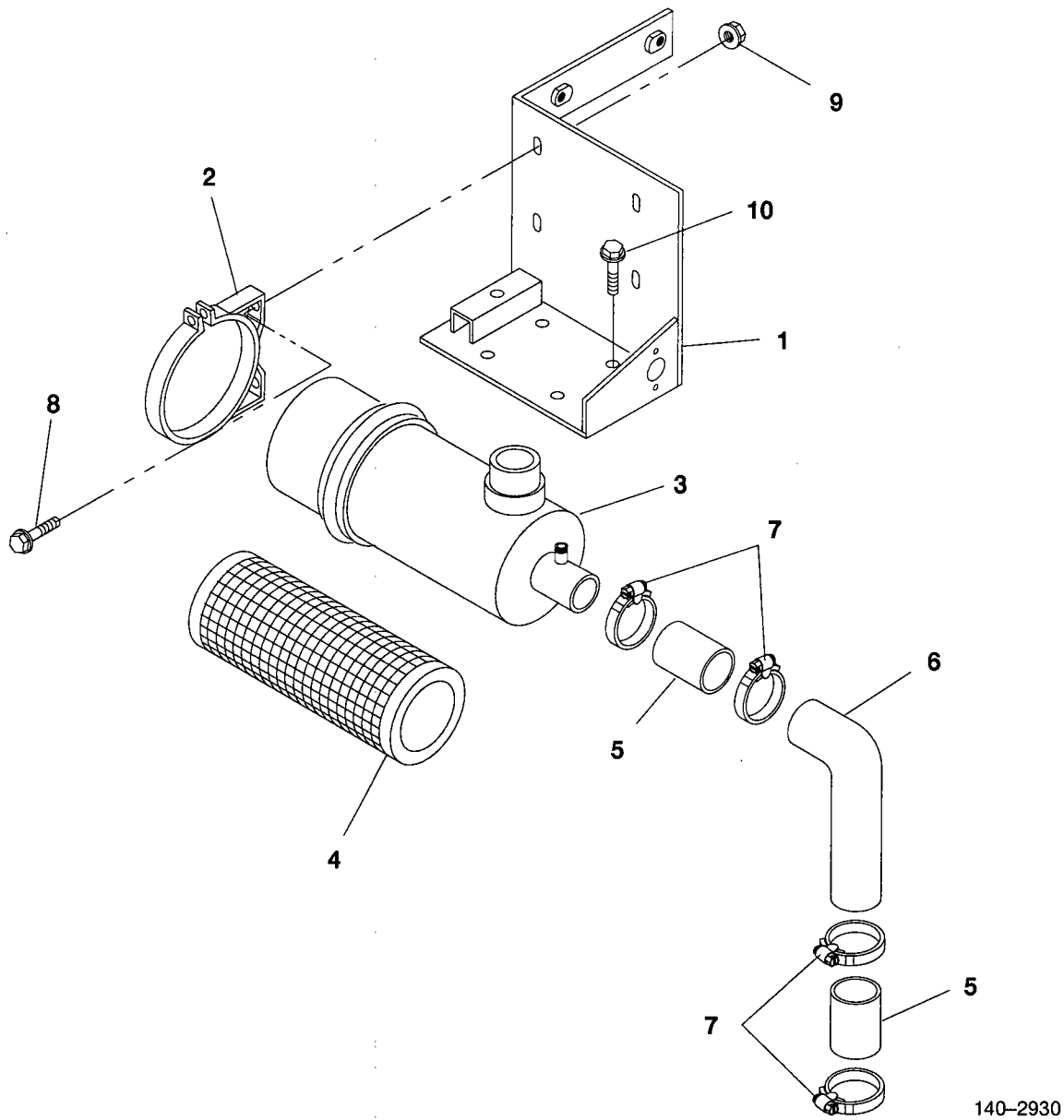
## Air Cleaner GEAD, GEAE



140-2921

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-0721	1	Cleaner, Air (Includes Element)	7	503-1074	1	Hose, Reducer (2-1/4" to 2")
2	140-0765	1	Element, Air Cleaner	8	870-2054	4	Nut, Self-Locking (M6)
3	140-2857	2	Band, Mounting	9	503-0365	3	Clamp, Hose
4	402-0669	4	Isolator, Vibration	10	503-0465	1	Clamp, Hose
5	503-0419	1	Elbow, Rubber - Moulded				
6			Tube, Air Intake				
	140-2920-02	1	Spec A				
	140-2949-02	1	Spec B - GEAE				

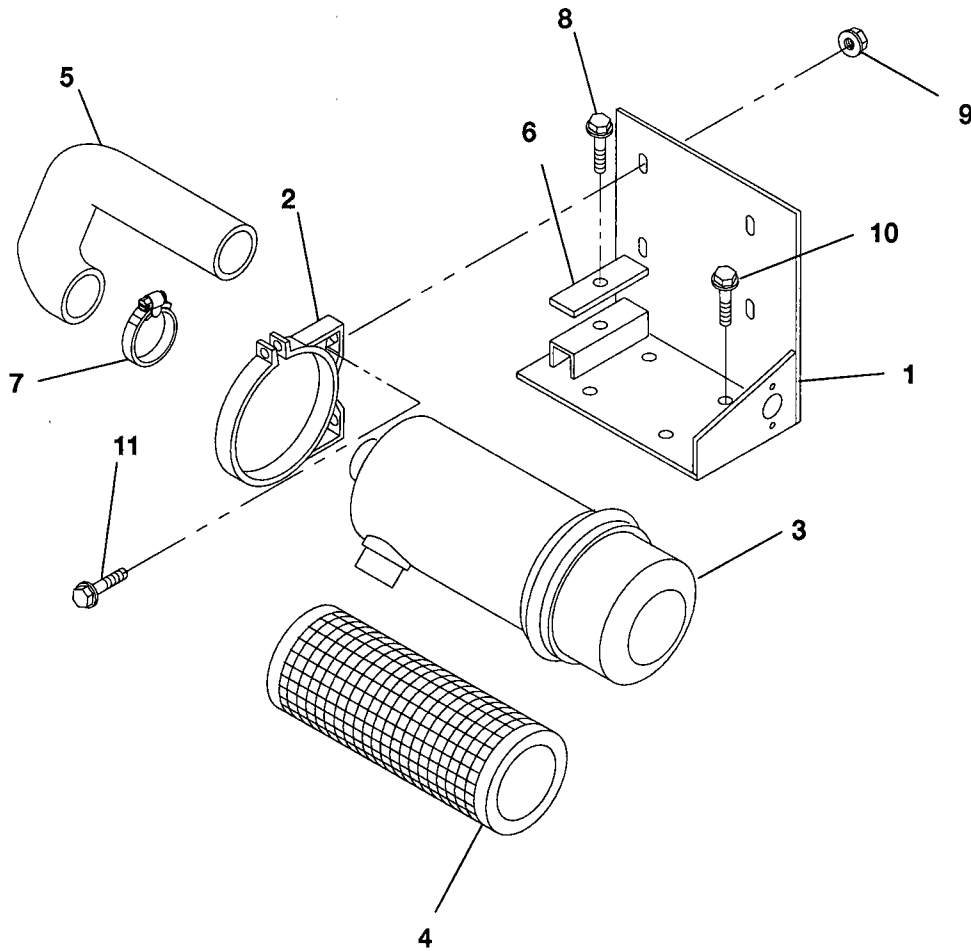
# **Air Cleaner GEAF Spec A**



140-2930

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-2931-02	1	Bracket, Air Cleaner	7	503-0365	4	Clamp, Hose
2	140-0722	2	Band, Mounting	8	821-2058-01	4	Screw, Self-Locking – Hex Washer Head (M8 x 16mm)
3	140-2814	1	Cleaner, Air (Includes Element)	9	870-2055	4	Nut, Locking (M8)
4	140-2860	1	Element	10	821-2033	4	Screw, Self-Locking – Hex Washer Head (M6 x 16mm)
5	503-0330	2	Hose, Air Cleaner (2" ID x 2")				
6	140-2934-02	1	Tube, Air Cleaner				

## Air Cleaner GEAF Spec B

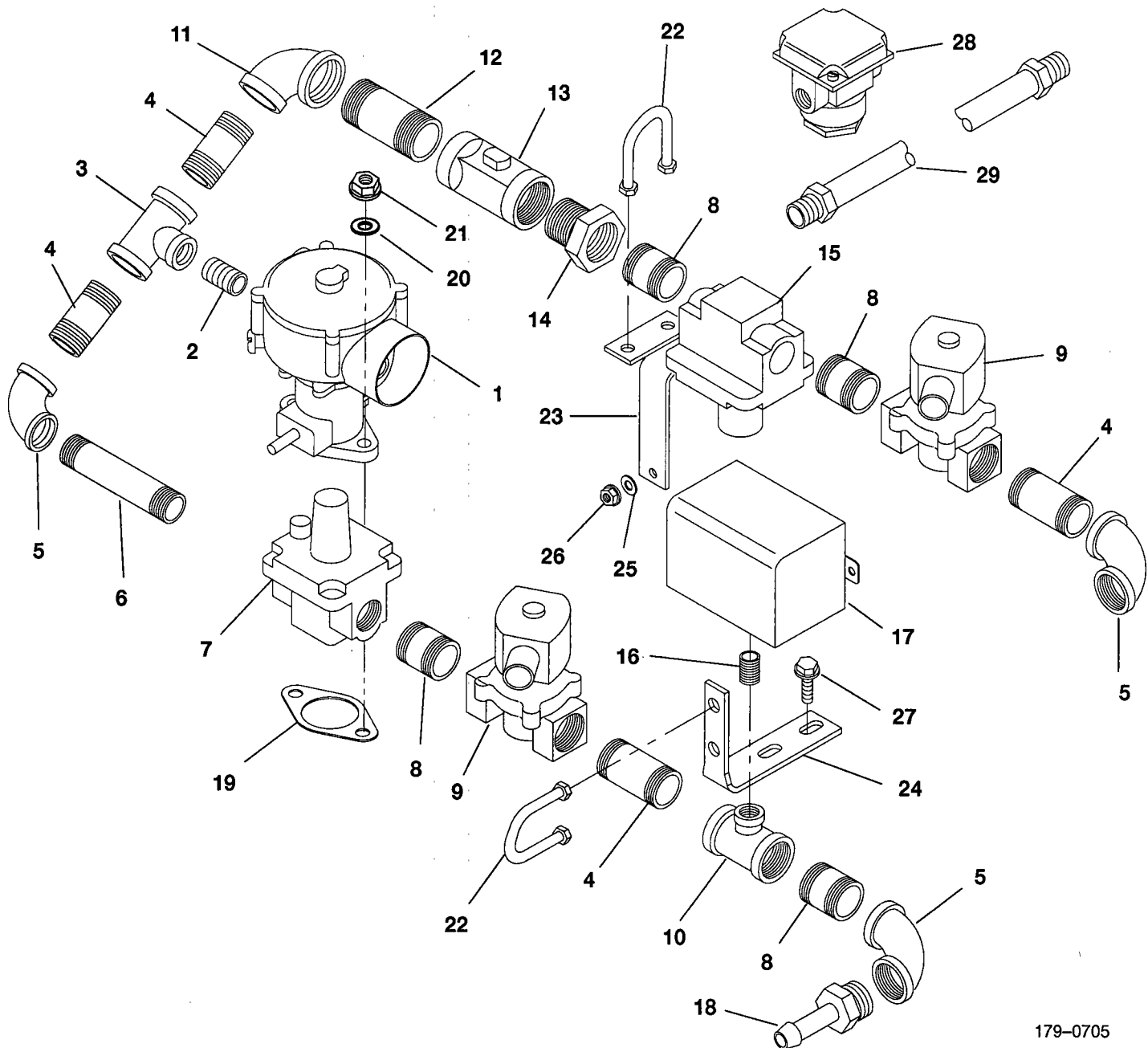


140-3004

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	140-3005	1	Bracket, Air Cleaner	8	815-0858-07	1	Screw, Self-Locking – Head Washer Head (M8)
2	140-0722	2	Band, Mounting	9	870-2055	4	Nut, Locking (M8)
3	140-0721	1	Cleaner, Air (Includes Element)	10	821-2033	4	Screw, Self-Locking – Hex Washer Head (M6 x 16mm)
4	140-0765	1	Element	11	800-2056	4	Screw, Hex Steel Cap Washer Head (M8 x 16mm)
5	140-3008	1	Hose, Air Cleaner				
6	140-2936-02	1	Bracket, Air Cleaner				
7	503-0365	2	Clamp, Hose				



# **Fuel System** **GEAD, GEAE Spec A**

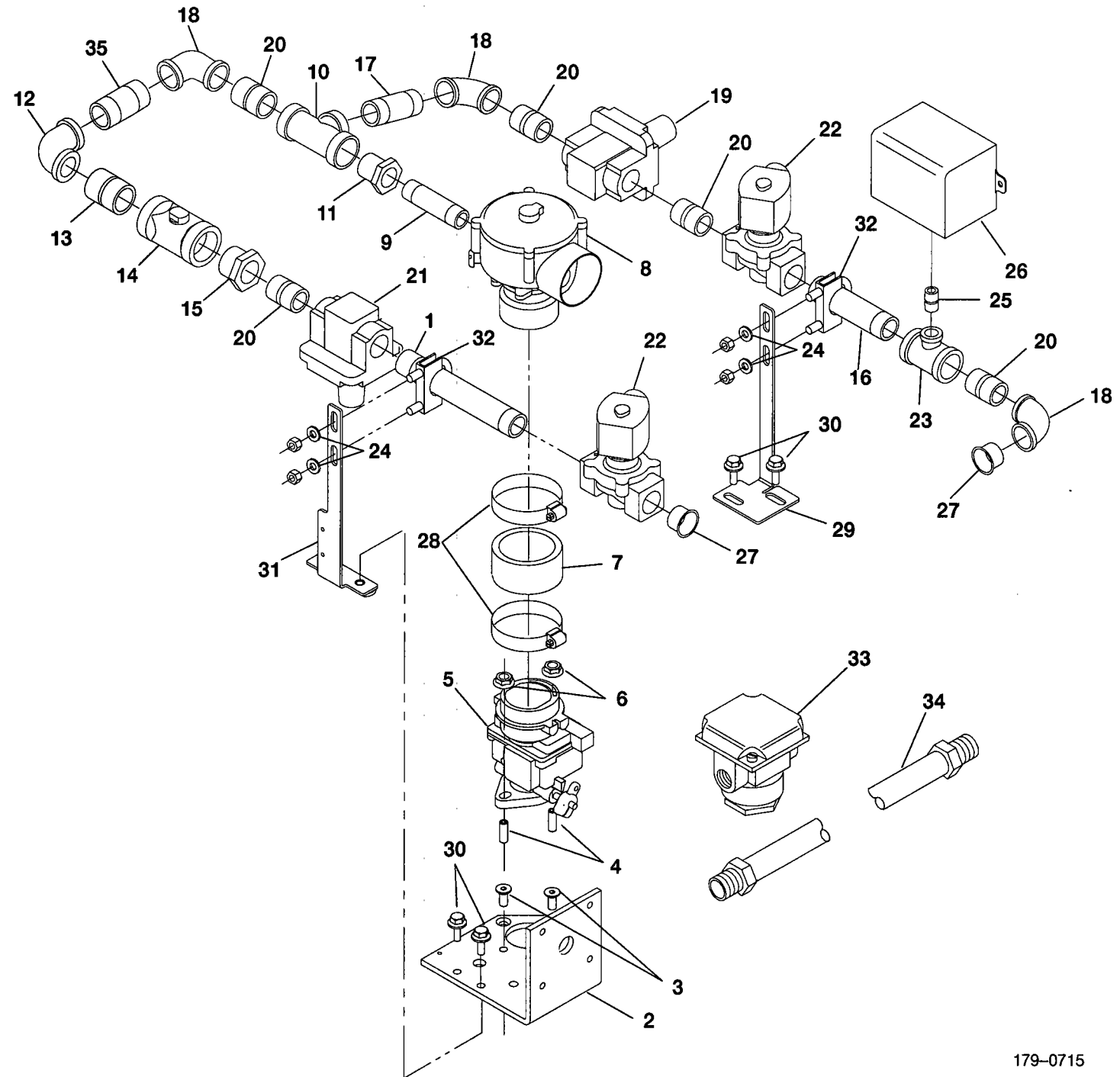


179-0705

# **Fuel System** **GEAD, GEAE Spec A**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-0999	1	Carburetor – Natural Gas	15	148-0637	1	Regulator – LPG Vapor
2	505-0100	1	Nipple, Pipe – Close (3/4")	16	505-0099	1	Nipple, Pipe – Close (1/4")
3	505-0167	1	Tee, Pipe – Reducer (3/4" to 1/2")	17	148-0998	1	Switch, Fuel Pressure
4	505-0085	4	Nipple, Pipe (3/4" x 2")	18	502-0971	1	Connector, Hose
5	505-0132	3	Elbow, Pipe – 90 Deg (3/4")	19	141-0971	1	Gasket, Carburetor
6	505-0337	1	Nipple, Pipe (3/4" x 4")	20	526-2100	2	Washer, Flat (M8)
7	148-0597	1	Regulator – Natural Gas	21	860-2008	2	Nut, Hex (M8)
8	505-0102	4	Nipple, Pipe (3/4" x 1-3/8")	22	155-1239	2	Clamp, Mounting
9	307-0834-01	2	Valve, Solenoid	23	149-2497-02	1	Bracket, Support
10	505-1496	1	Tee, Pipe – Reducing (3/4" x 3/4" x 1/4")	24	149-2498-02	1	Bracket, Support
11	505-0356	1	Elbow, Pipe – Reducer – 90 Deg (1" to 3/4")	25	526-0399-58	1	Washer, Flat (M6)
12	505-0086	1	Nipple, Pipe (1" x 2-1/2")	26	870-2065-02	1	Nut, Hex Head – Flange (M6)
13	148-0626	1	Valve, Load Adjusting	27	821-6003-02	1	Screw, Cap – Hex Washer Head (M8 x 20mm)
14	505-0129	1	Bushing, Reducing (1" to 3/4")	28	148-0947	1	Regulator, Primary
				29	501-0623	1	Hose, Propane (72")

# **Fuel System GEAE Spec B**



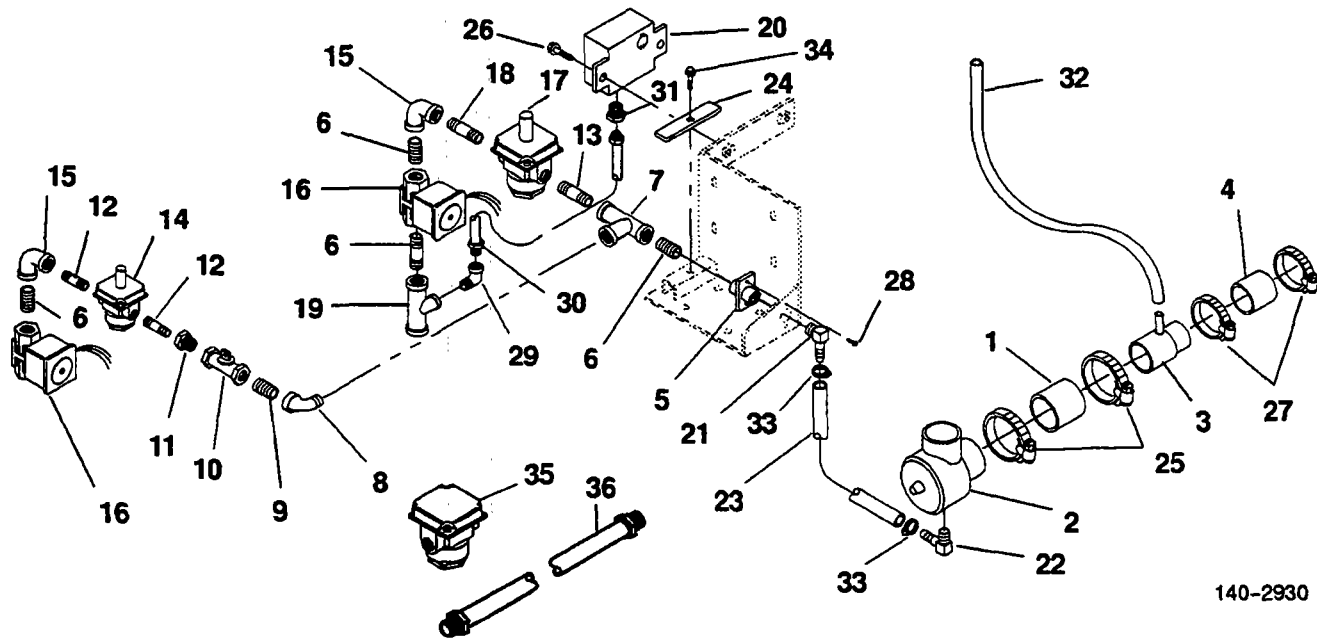
179-0715

## Fuel System GEAE Spec B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	505-0754	1	Nipple, Pipe (3/4" x 6")	18	505-0132	3	Elbow, Pipe – 90 Deg (3/4")
2	150-2622-02	1	Bracket, Mounting	19	148-0597	1	Regulator, Natural Gas
3	803-2011-03	2	Screw, Set – Socket – Countersunk (M8 x 20mm)	20	505-0102	5	Nipple, Pipe – Close (3/4")
4	803-2001-08	2	Screw, Set – Socket (M8 x 25mm)	21	148-0637	1	Regulator, LPG Vapor
5	141-0954	1	Carburetor – LPG Vapor	22	307-0834-01	2	Valve, Solenoid
6	870-2055	2	Nut, Locking – Flange (M8)	23	505-1496	1	Tee, Pipe – Reducing (3/4" x 1/4" x 3/4")
7	503-0542	1	Adapter, Hose	24	526-2100	4	Washer, Flat (M8)
8	148-0691	1	Carburetor – Natural Gas	25	505-0099	1	Nipple, Pipe (1/4" x 7/8")
9	505-0002	1	Nipple, Pipe (1/2" x 3")	26	148-0998	1	Switch, Fuel Pressure
10	505-0166	1	Tee, Pipe – Reducing (3/4" x 1/2" x 3/4")	27	517-0094	2	Plug, Pipe – Poly
11	505-0021	1	Bushing, Reducer (3/4")	28	503-0465	2	Clamp, Hose
12	505-0356	1	Elbow, Pipe – Reducer – 90 Deg (1" to 3/4")	29	149-2491-02	1	Bracket, Support
13	505-0004	1	Nipple, Pipe (1" x 1-1/2")	30	821-6003-02	4	Screw, Hex Head – With Washer (M8 x 20mm)
14	148-0626	1	Valve, Load Adjusting	31	149-2492-02	1	Bracket, Support
15	505-0129	1	Bushing, Reducer (1" to 3/4")	32	155-1256	2	Clamp, Muffler
16	505-0337	1	Nipple, Pipe (3/4" x 4")	33	148-0947	1	Regulator, Primary
17	505-0084	1	Nipple, Pipe (3/4" x 2-1/2")	34	501-0623	1	Hose, Propane (72")
				35	505-0085	1	Nipple, Pipe (3/4" x 2")



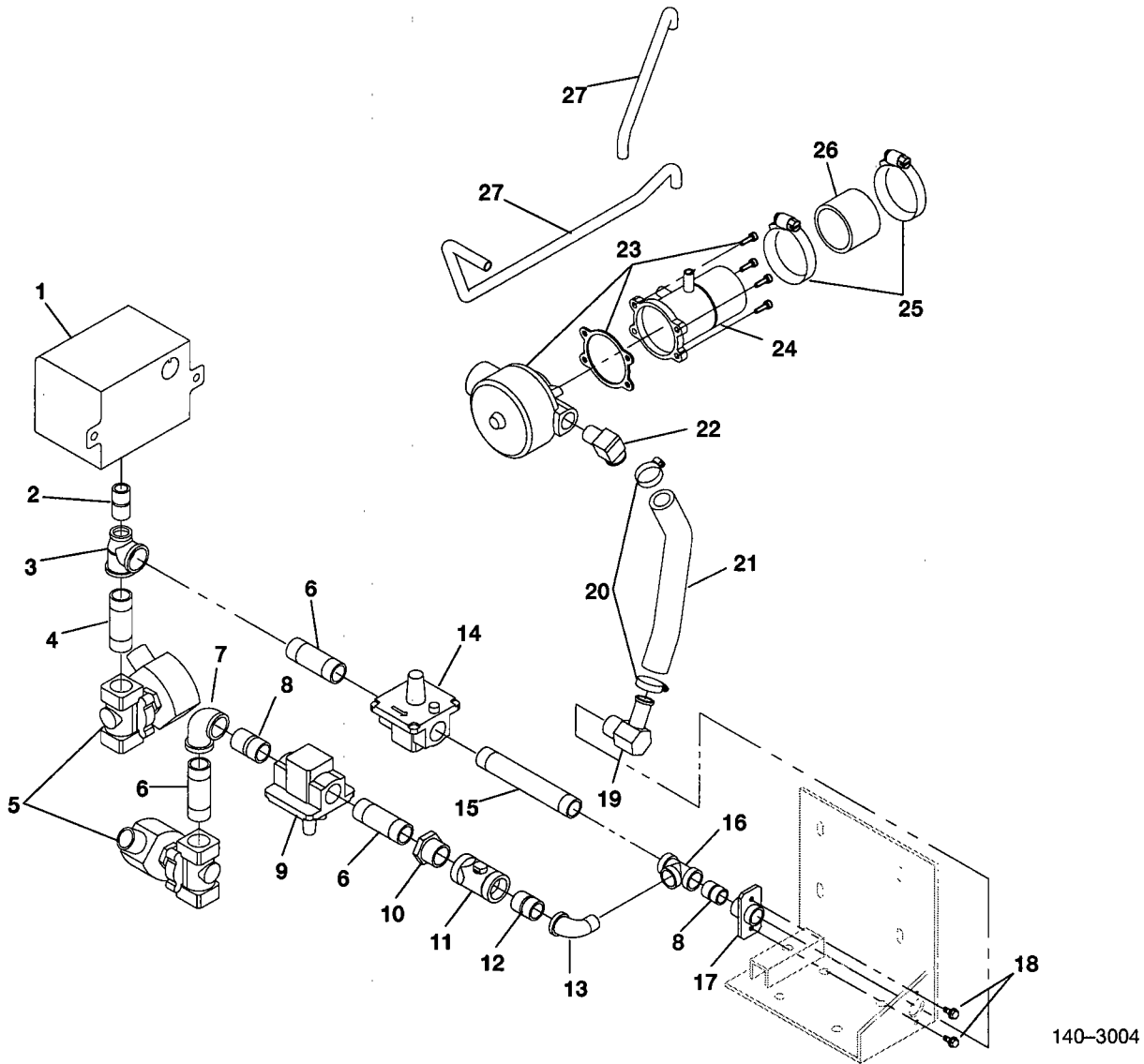
# Fuel System GEAF Spec A



140-2930

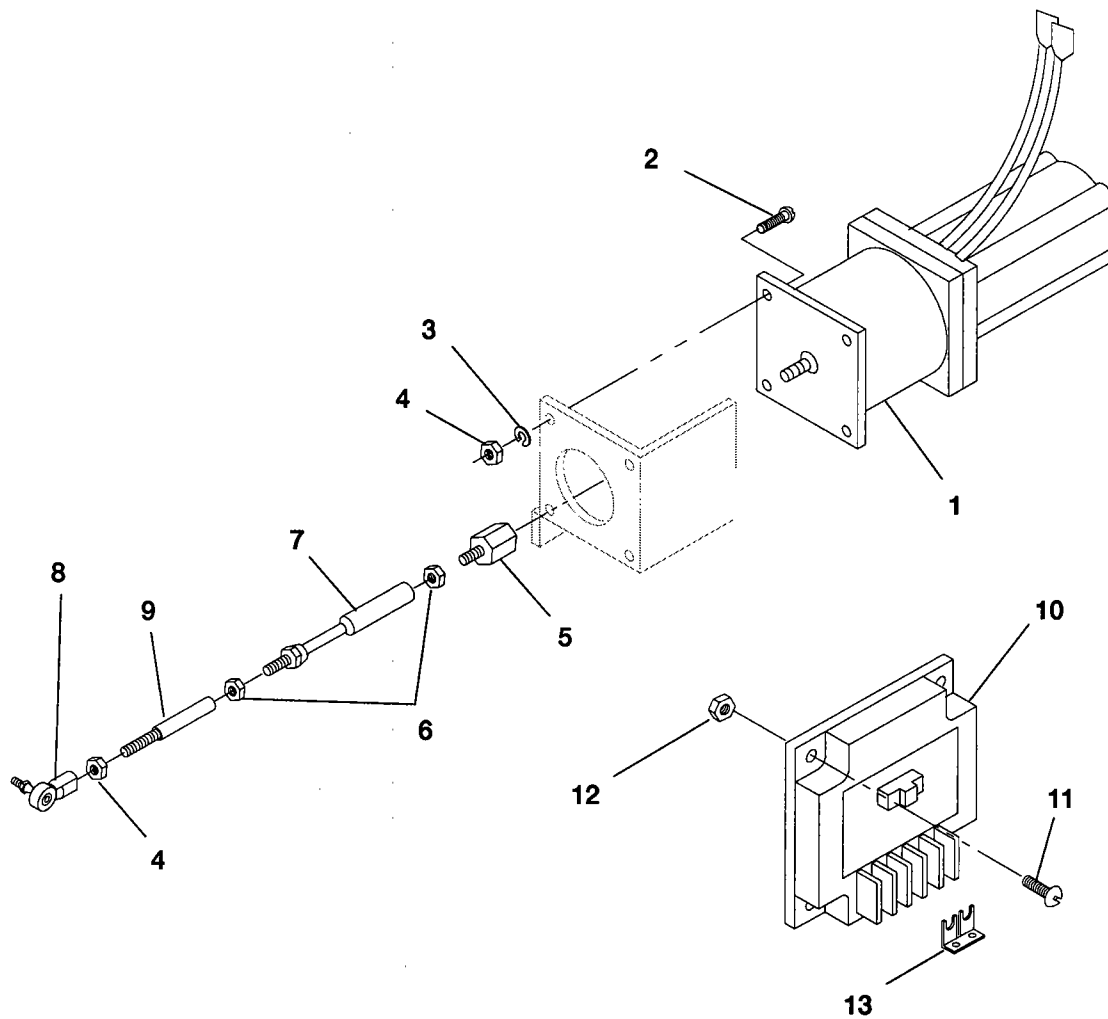
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	503-0330	1	Hose, Air Cleaner (2" ID x 2")	22	502-1030	1	Connector, Hose – 90 Deg (1/2" Pipe to 3/4" Hose)
2	148-1001	1	Carburetor – Natural Gas	23	503-1565	–	Hose, LPG – Bulk (3/4" ID) (Order by the Foot – 1 Foot Required)
3	140-2935-02	1	Tube, Air Inlet	24	140-2936-02	1	Bracket, Retaining
4	503-1947	1	Hose, Inlet – Turbocharger	25	503-0365	2	Clamp, Hose
5	403-3662-02	1	Connector, Bulkhead	26	821-2032	2	Screw, Self-Locking – Hex Washer Head (M6 x 12mm)
6	505-0102	4	Nipple, Pipe (3/4" x 1-3/8")	27	503-1140	2	Clamp, Hose
7	505-0166	1	Tee, Pipe (3/4")	28	815-0858-01	2	Screw, Self-Locking – Hex Flange Head (M8 x 16mm)
8	505-1498	1	Elbow, Pipe – Reducer – 90 Deg (3/4" to 1")	29	502-0041	1	Elbow, Brass – 90 Deg
9	505-0004	1	Nipple, Pipe – Close (1")	30	501-0005	1	Line, Flexible (18-1/2")
10	148-0626	1	Valve, Load Adjusting	31	502-0029	1	Bushing, Brass (1/8")
11	505-0129	1	Bushing, Reducing (1" to 3/4")	32	503-1262	1	Hose, Breather (27")
12	505-0332	2	Nipple, Pipe (3/4" x 3")	33	503-0398	2	Clamp, Hose
13	505-0671	1	Nipple, Pipe (3/4" x 7-3/16")	34	815-0858-07	1	Screw, Self-Locking – Hex Flange Head (M8 x 45mm)
14	148-0637	1	Regulator – LPG Vapor	35	148-0947	1	Regulator, Primary
15	505-0132	2	Elbow, Pipe – 90 Deg (3/4")	36	501-0623	1	Hose, Propane (72")
16	307-0834-01	2	Valve, Solenoid				
17	148-0597	1	Regulator – Natural Gas				
18	505-0841	1	Nipple, Pipe (3/4" x 2-1/2")				
19	505-1496	1	Tee, Pipe – Reducing (3/4" x 3/4" x 1/4")				
20	148-0998	1	Switch, Fuel Pressure				
21	502-1235	1	Connector, Hose – 90 Deg (3/4" Pipe to 3/4" Hose)				

## Fuel System GEAF Spec B



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	148-0998	1	Switch, Fuel Pressure	17	403-3662-02	1	Connector, Bulkhead
2	505-0099	1	Nipple, Pipe (1/4")	18	815-0858-01	2	Screw, Flat Head (M8)
3	505-1506	1	Tee, Reducing (3/4" x 3/4" x 1/4")	19	502-1235	1	Connector, Hose - 90 Deg (1/2" x 3/4")
4	505-0332	1	Nipple, Pipe (3/4" x 3")	20	503-0398	2	Clamp, Hose (1-9/16" x 2-1/2")
5	307-0834-01	2	Valve, Solenoid	21	503-1565	1	Hose, Fuel (12")
6	505-0841	3	Nipple, Pipe (3/4" x 2-1/2")	22	502-1030	1	Connector, Hose - 90 Deg (1/2" Pipe to 3/4" Hose)
7	505-0132	1	Elbow, Pipe (90 Deg)	23	148-1044	1	Carburetor
8	505-0102	2	Nipple, Close (3/4")	24	127-0437	1	Tube, Turbocharger
9	148-0637	1	Regulator, Natural Gas	25	503-1140	2	Clamp, Hose
10	505-0129	1	Bushing, Reducing (1" to 3/4")	26	503-1947	1	Hose, Inlet - Turbocharger
11	148-0626	1	Valve, Load Adjusting	27	503-2002	-	Hose, Bulk (11/32" ID) (Order By The Foot - Two Lengths of 3 Feet Each Required)
12	505-0004	1	Nipple, Pipe (1" x 1-1/2")				
13	505-1498	1	Elbow, Street Reducer (1.00 x 3/4 x 90")				
14	148-0597	1	Regulator, Natural Gas				
15	505-0754	1	Nipple, Pipe (3/4" x 6")				
16	505-0166	1	Tee, Reducing				

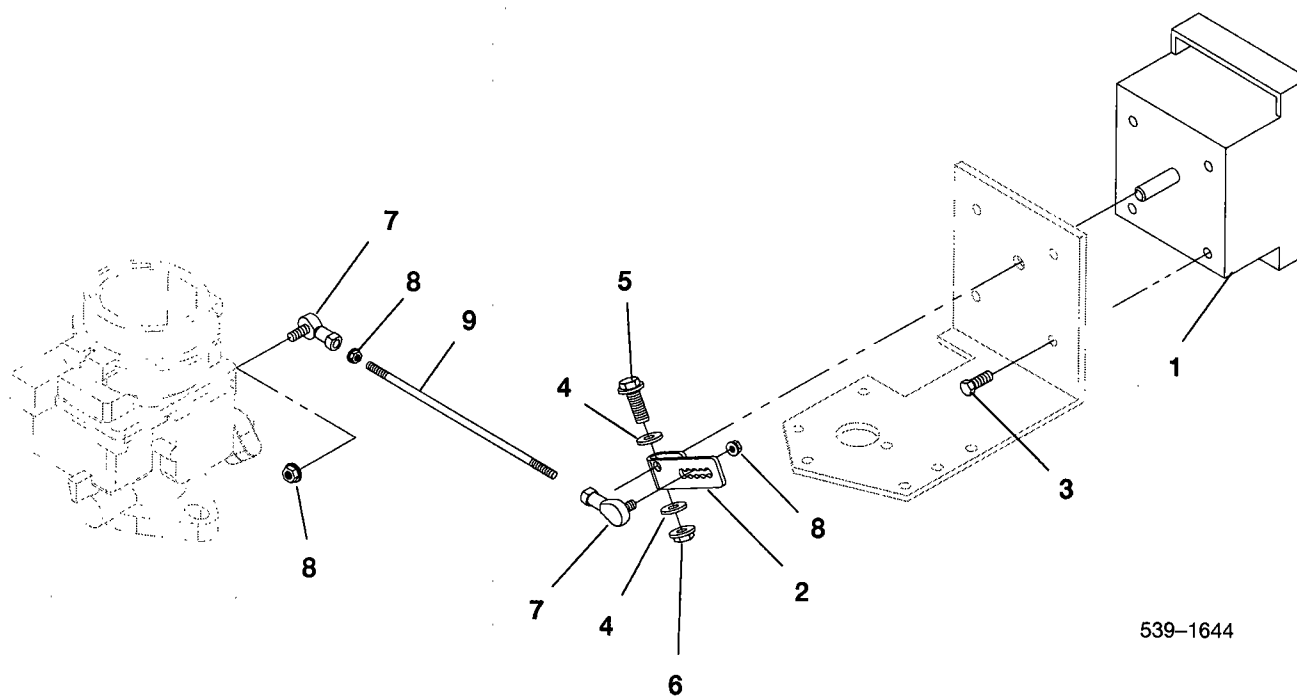
# **Governor GEAD, GEAE Spec A**



539-1346

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2331	1	Actuator, Linear (ACT)	8	150-0939	1	Joint, Ball
2	813-0103	3	Screw, Machine - Round Head (#10-32 x 3/4'')	9	151-0714	1	Rod, Governor
3	850-0030	3	Washer, Lock - Spring (#10)	10	151-0713-01	1	Control, Governor (A21)
4	870-0053	4	Nut, Hex (#10-32)	11	813-0100	4	Screw, Machine - Round Head (#10-32 x 1/2'')
5	150-2314	1	Adapter, Governor Linkage	12	870-0131	4	Nut, Hex - W/ET (#10-32)
6	115-0025	2	Nut, Tappet	13	332-2605	1	Jumper
7	150-1733	1	Joint, Ball				

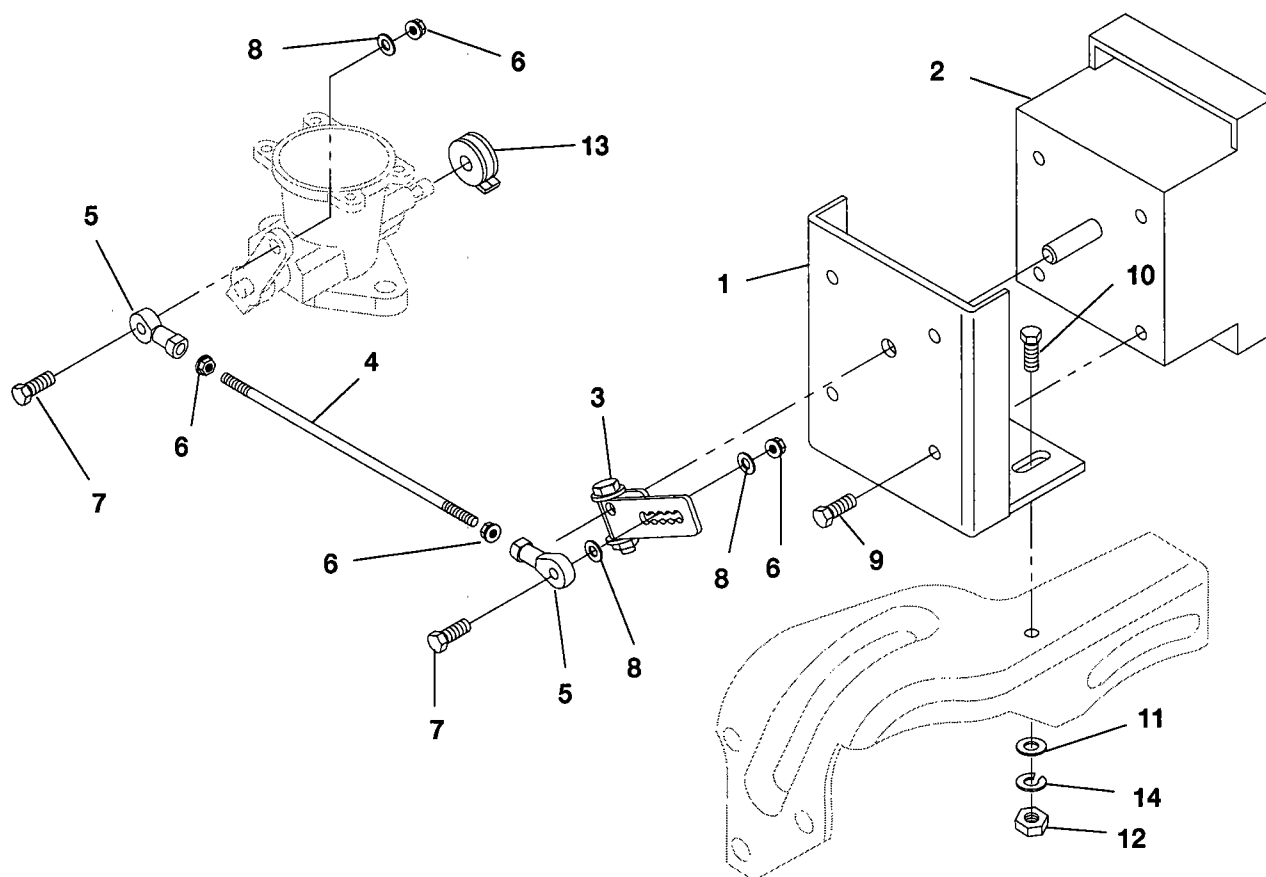
# **Governor GEAE Spec B**



539-1644

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2624	1	Control, Governor (Includes Lever) (A21)	5	800-0008	1	Screw, Cap – Hex Head (1/4-20 x 1-1/4")
2	150-2620	1	Lever, Governor	6	870-0065	1	Nut, Self-Locking (1/4-20)
3	801-0003	4	Screw, Cap – Hex Head (1/4-28 x 1/2")	7	150-0939	2	Joint, Ball
4	526-0018	2	Washer, Flat (1/4")	8	870-0131	3	Nut, Hex – W/ET (#10-32)
				9	150-2666	1	Rod, Governor

# **Governor GEAF Spec A**

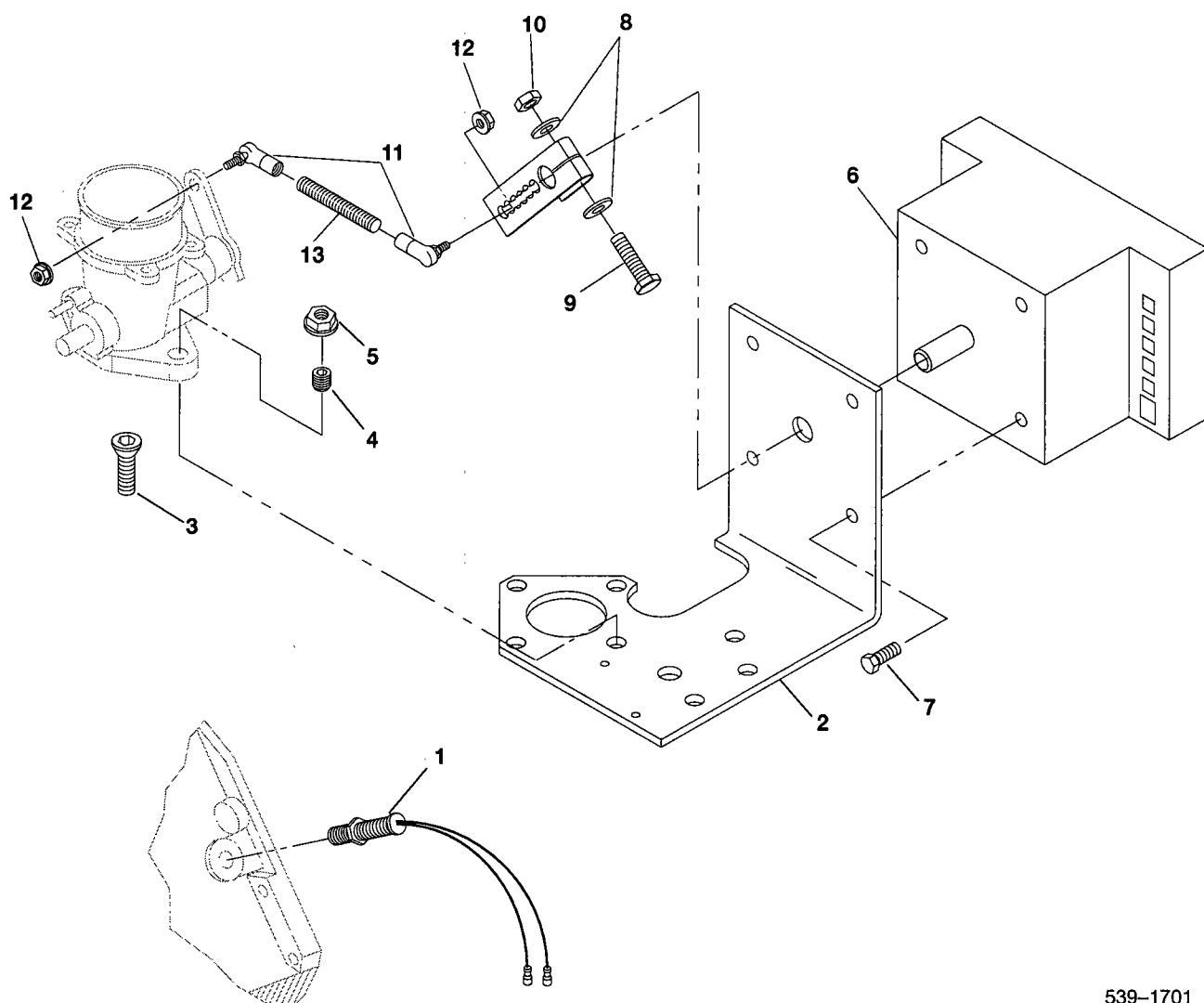


539-1628

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2619-02	1	Bracket, Mounting
2	150-2618	1	Control, Governor (Includes Lever) (A21)
3	150-2620	1	Lever, Governor
4	150-2617	1	Rod, Governor
5	150-2251	2	End, Rod
6	870-0131	4	Nut, Hex - W/ET (#10-32)
7	815-0172	2	Screw, Machine - Hex Head (#10-32 x 1")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	526-0008	3	Washer, Flat (#10)
9	801-0003	4	Screw, Cap - Hex Head (1/4-28 x 1/2")
10	800-2086	2	Screw, Cap - Hex Head (M10 x 25mm)
11	526-2120	2	Washer, Flat (M10)
12	860-2009	2	Nut, Hex (M10)
13	152-0352	1	Kit, Spring - Throttle Return
14	850-2010	2	Washer, Lock - Spring (M10)

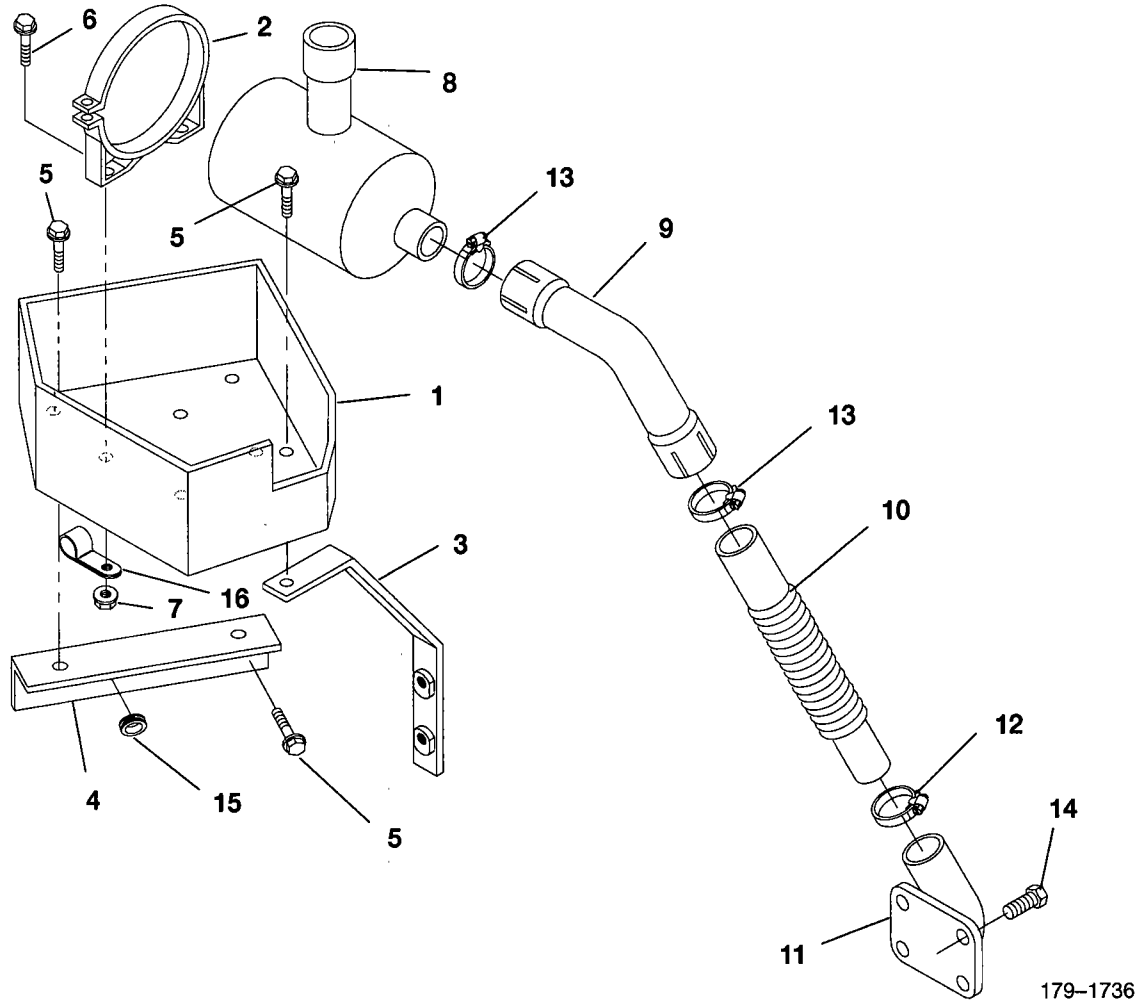
## Governor GEAF Spec B



539-1701

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-2667	1	Unit, Magnetic Pickup	8	526-0018	2	(M6 x 12mm) Washer, Flat (1/4")
2	150-2622-02	1	Bracket, Governor	9	800-0008	1	Screw, Cap - Hex Head (1/4-20 x 1-1/4")
3	803-2011-03	2	Screw, Set - Countersunk - Socket (M8 x 20mm)	10	870-0212	1	Nut, Self Locking Flange (1/4-20)
4	803-2001-08	2	Screw, Set - Countersunk - Socket (M8 X 25mm)	11	150-0939	2	Joint, Ball
5	870-2056	2	Nut, Lock (M10)	12	870-0131	2	Nut, Hex W/ET (#10-32)
6	150-2646	1	Governor (Includes Lever)	13	150-2666	1	Rod, Governor
7	800-2029	4	Screw, Cap - Hex Head				

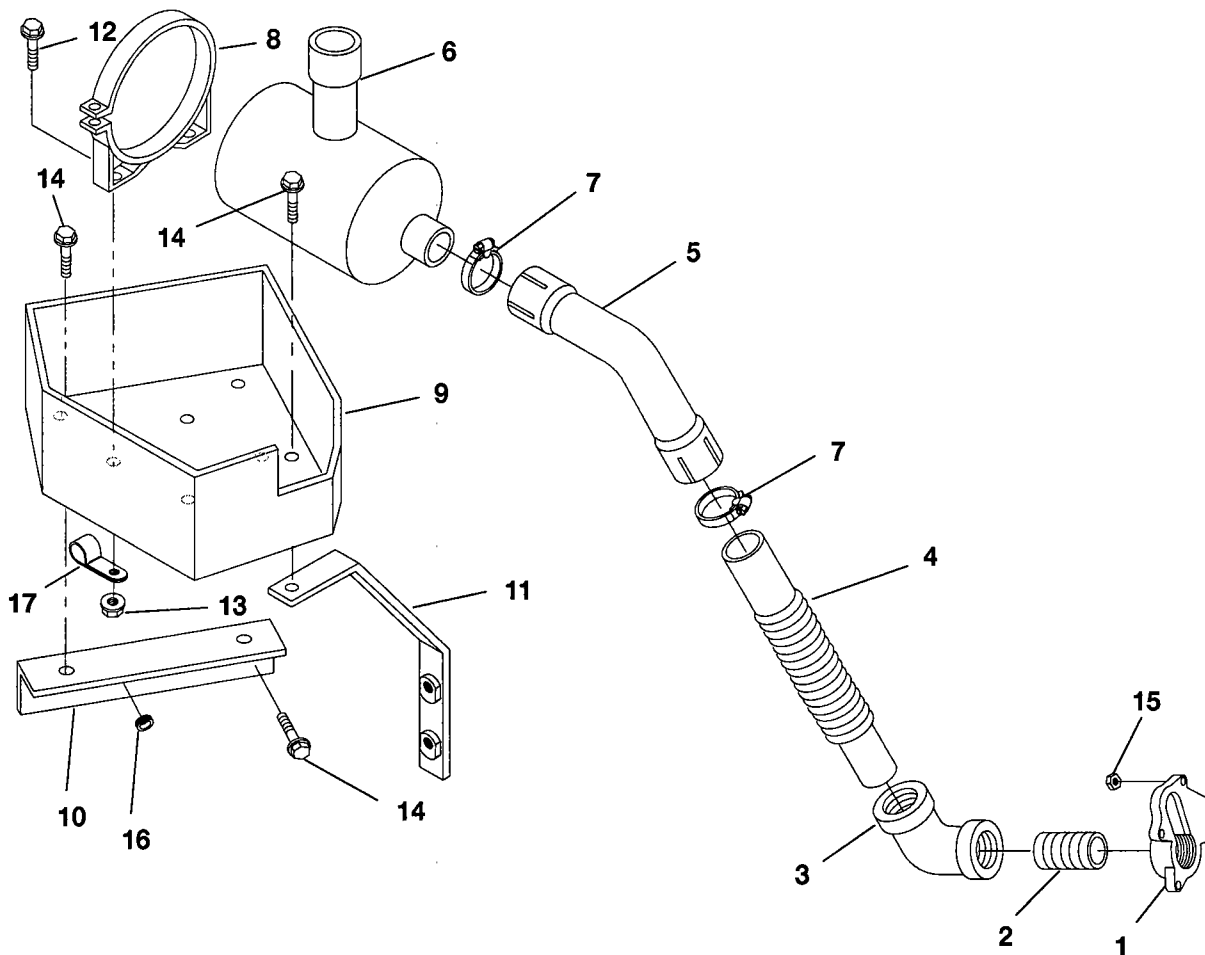
# **Muffler GEAD, GEAE Unhoused Sets**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-2929-02	1	Bracket, Exhaust
2	140-2214	2	Band, Mounting
3	155-2931-02	1	Bracket, Exhaust
4	155-2930-02	1	Bracket, Exhaust
5	821-2060	5	Screw, Self-Locking - Hex Washer Head (M10 x 20mm)
6	815-0858-01	4	Screw, Self-Locking - Hex Flange Head (M8 x 16mm)
7	870-2055	4	Nut, Locking (M8)
8	155-2936	1	Muffler

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	155-2918	1	Tube, Exhaust
10	155-2899	1	Tube, Exhaust
11	155-2919	1	Tube, Exhaust
12	155-1239	1	Clamp, Exhaust (1-1/2" ID)
13	155-2548	2	Clamp, Exhaust (2" ID)
14	800-2085	4	Screw, Cap - Hex Head (M10 x 20mm)
15	508-0153	1	Grommet (Fits 7/8" Hole)
16	332-2634	1	Clamp, "J"

# **Muffler GEAF Spec A Unhoused Sets**

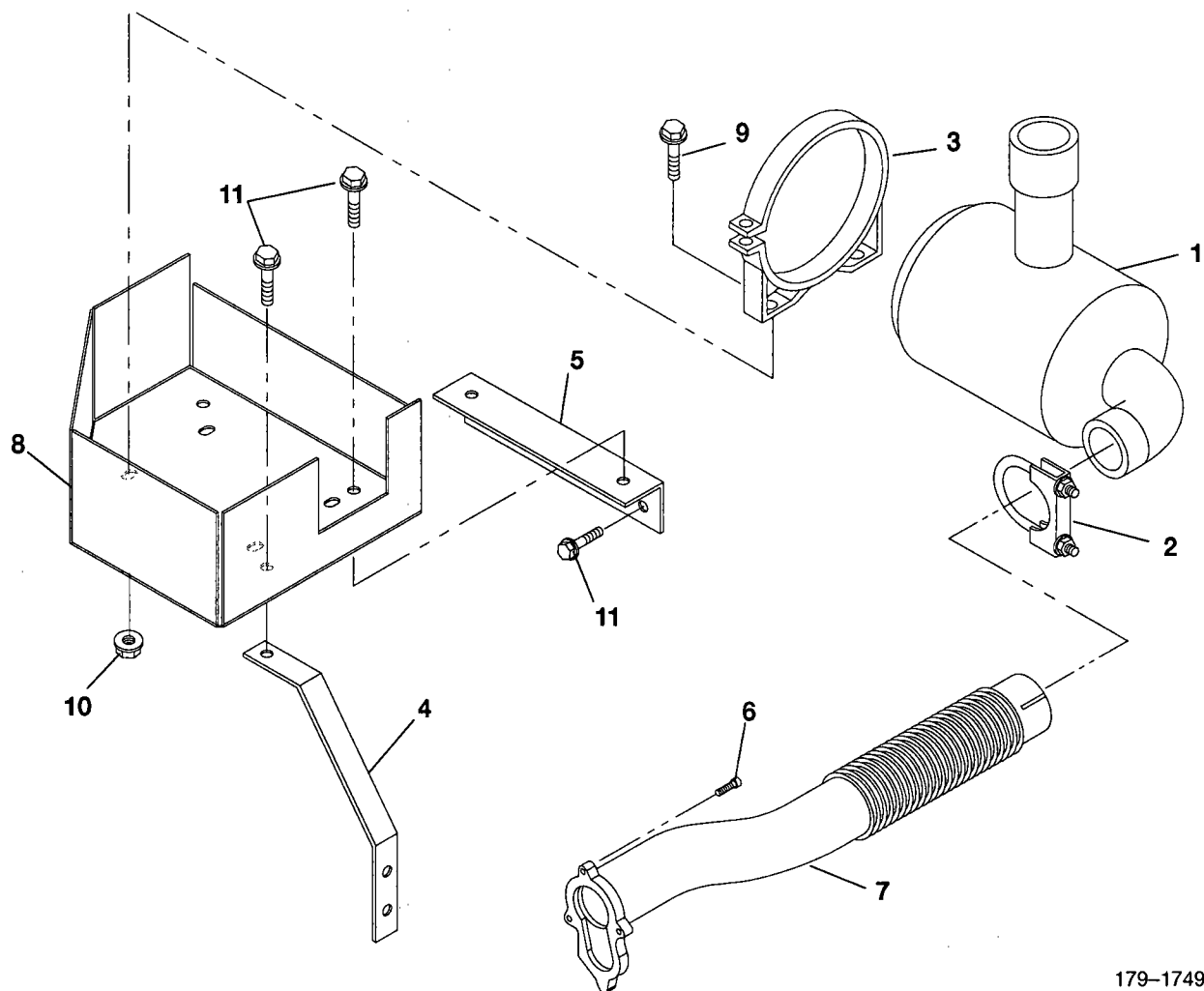


155-2937

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-2938	1	Adapter, Exhaust	11	155-2931-02	1	Bracket, Exhaust
2	505-0220	1	Nipple, Pipe (1-1/2")	12	821-2058-01	4	Screw, Self-Locking – Hex Washer Head (M8 x 16mm)
3	505-0043	1	Elbow, Pipe – 90 Deg (1-1/2")	13	870-2055	4	Nut, Locking (M8)
4	155-2939	1	Tube, Exhaust	14	821-2060	5	Screw, Self-Locking – Hex Washer Head (M10 x 20mm)
5	155-2940	1	Tube, Exhaust	15	750-1006	4	Nut, Hex (M8)
6	155-2936	1	Muffler	16	508-0153	1	Grommet (Fits 7/8" Hole)
7	155-2548	2	Clamp, Exhaust (2" ID)	17	332-2634	1	Clamp, "J"
8	140-2214	2	Band, Mounting				
9	155-2929-02	1	Bracket, Exhaust				
10	155-2930-02	1	Bracket, Exhaust				



**Muffler  
GEAF Spec B  
Unhoused Sets**

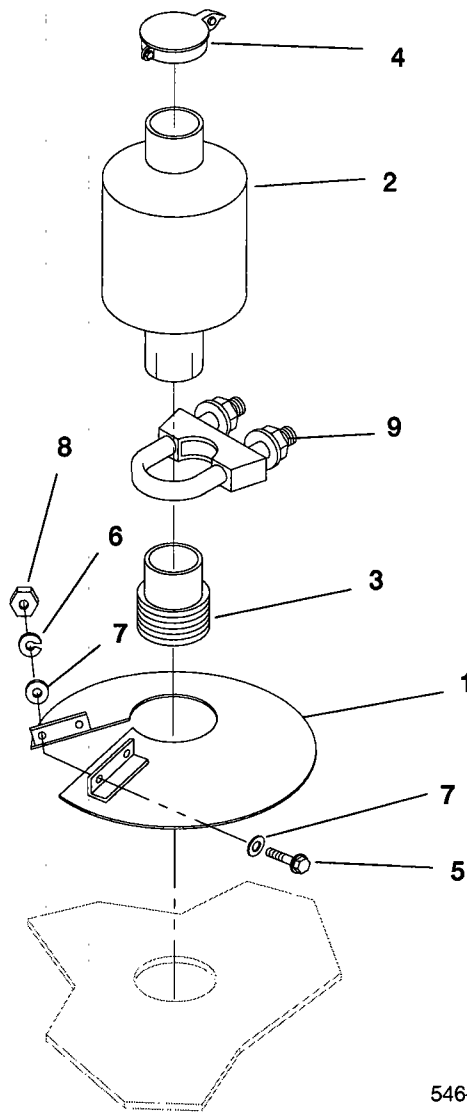


179-1749

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-3010	1	Muffler
2	155-2548	1	Clamp, Exhaust (2" ID)
3	140-2214	2	Band, Mounting
4	155-2931-02	1	Bracket, Exhaust
5	155-2930-02	1	Bracket, Exhaust
6	725-1051	4	Screw, Cap – Socket Head (M8 x 25mm)
7	155-3013	1	Tube, Exhaust

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
8	155-3009	1	Bracket, Exhaust
9	821-2058-01	4	Screw, Self-Locking – Hex Washer Head (M8 x 16mm)
10	870-2055	4	Nut, Locking (M8)
11	821-2060	5	Screw, Self-Locking – Hex Washer Head (M10 x 20mm)

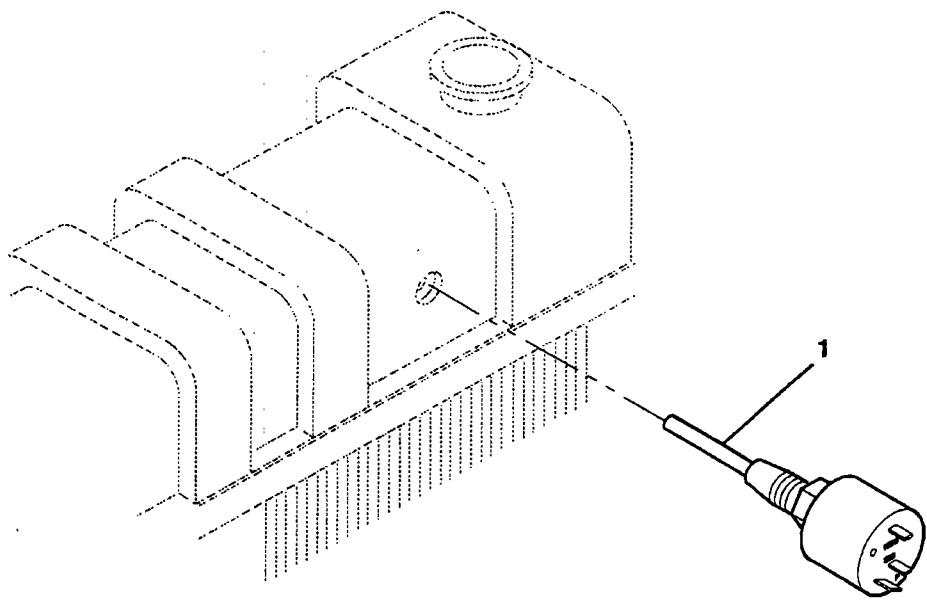
## Muffler Housed Sets



546-2365

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-2902-02	1	Shield, Rain	6	850-0030	2	Washer, Lock – Spring (#10)
2	155-2908	1	Muffler, Spark Arrester	7	526-0009	4	Washer, Flat (#10)
3	155-2909-03	1	Adapter, Exhaust	8	870-0053	2	Nut, Hex (#10-32)
4	155-2062-62	1	Cap, Rain	9	155-2548	1	Clamp, Muffler
5	821-0003	2	Screw, Self-Locking – Hex Washer Head (#10-32 x 1")				

**Low Coolant Level Sender**

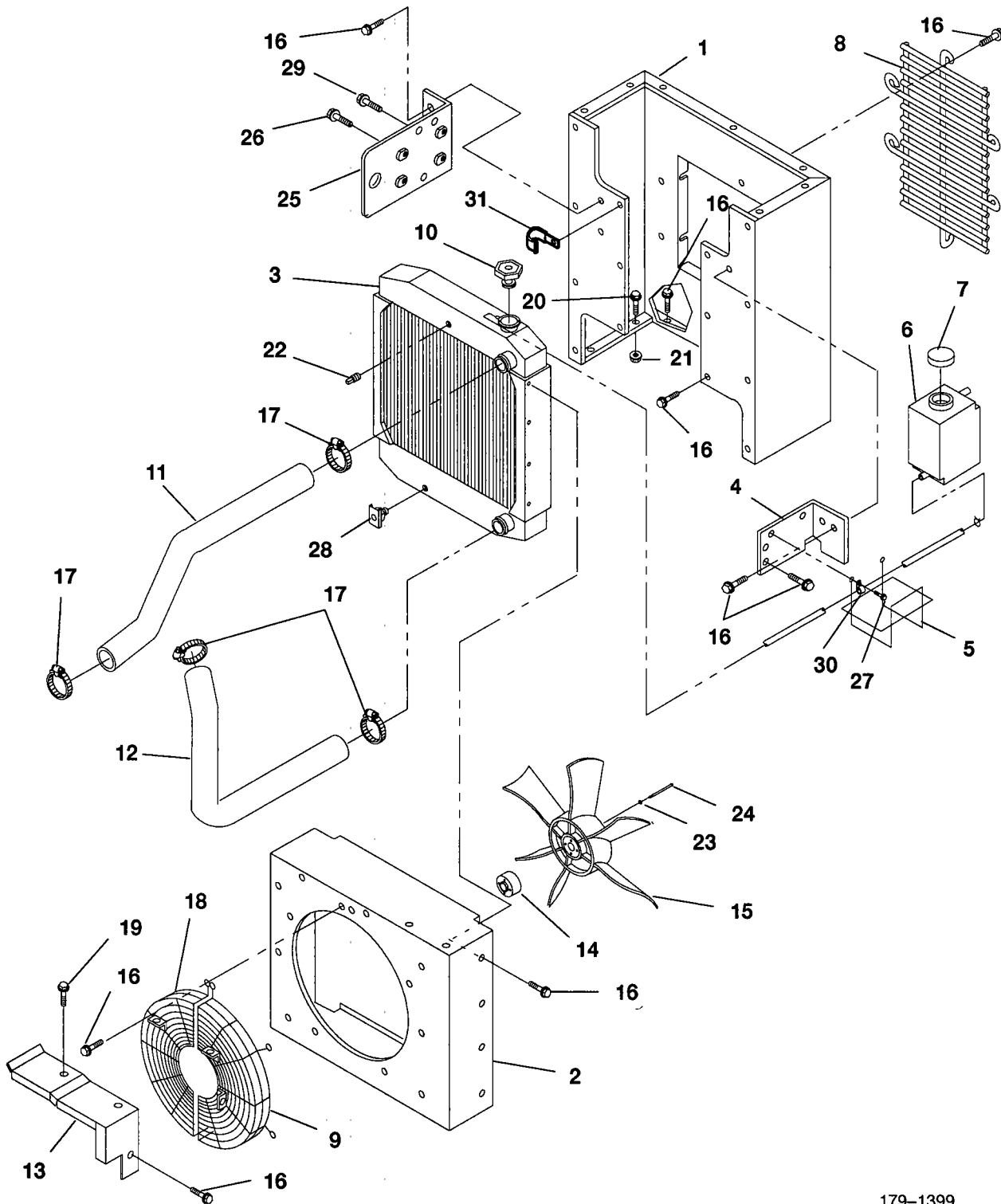


179-1387-01

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	193-0467	1	Sender, Low Coolant Level				



# **Radiator Spec A**

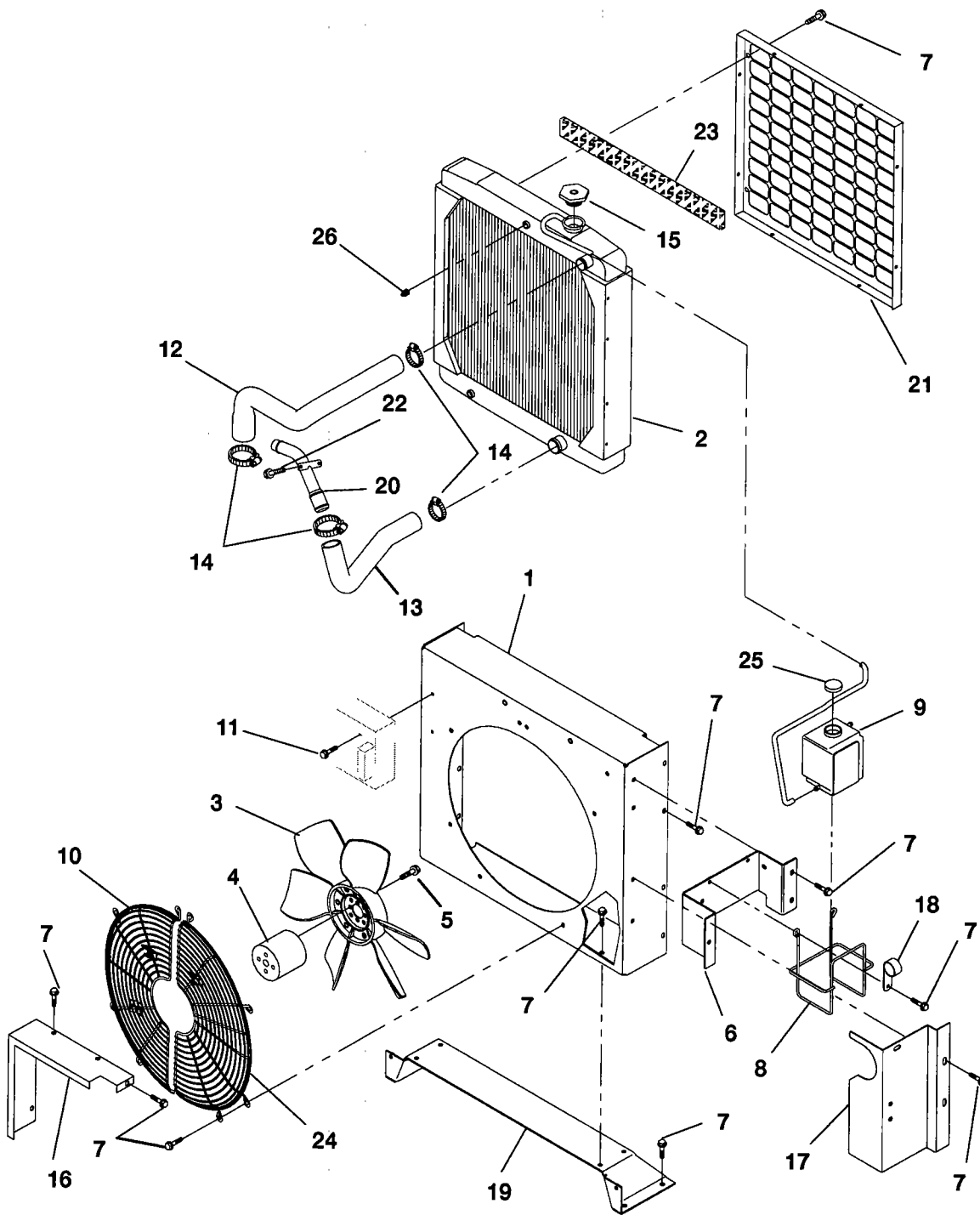


179-1399

## Radiator Spec A

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4337-02	1	Housing, Radiator	18	130-4232-04	1	Guard, Fan – Right Side
2	130-4336-02	1	Shroud, Fan	19	821-2049	1	Screw, Self-Locking – Hex Washer Head (M8 x 35mm)
3			Radiator	20	821-2061	4	Screw, Self-Locking – Hex Washer, Head (M10 x 25mm)
	130-4310-01	1	GEAD, GEAE	21	870-2056	4	Nut, Locking (M10)
	130-4310-02	1	GEAF	22	502-0153	1	Plug, Pipe – Brass (1/4")
4	130-4278-01	1	Bracket, Mounting	23	526-2100	4	Washer, Flat (M8)
5	130-3571	1	Hanger, Tank	24	800-2073	4	Screw, Cap – Hex Head (M8 x 100mm)
6	130-3570	1	Tank, Coolant Recovery	25	150-2605-02	1	Bracket, Module Mounting
7	130-3572	1	Cap, Coolant Tank	26	821-2021	4	Screw, Self-Locking – Hex Washer Head (M5 x 12mm)
8	130-4231	1	Grille	27	821-2033	2	Screw, Self-Locking – Hex Washer Head (M6 x 16mm)
9	130-4232-03	1	Guard, Fan – Left Side	28	504-0003	1	Cock, Drain
10	130-3929	1	Cap, Radiator	29	821-0010	3	Screw, Self-Locking – Hex Washer Head (1/4-20 x 1/2")
11	503-1943	1	Hose, Radiator – Upper	30	332-1554	1	Clamp, Loop – Insulated
12	503-1944	1	Hose, Radiator – Lower	31	332-2634	1	Clamp, "J"
13	191-2151-02	1	Guard, Belt				
14	130-4338	1	Spacer, Fan				
15	130-4340	1	Fan (6 Blade)				
16	815-0858-01	36	Screw, Self-Locking – Hex Flange Head (M8 x 16mm)				
17	503-1140	4	Clamp, Hose				

# **Radiator Spec B**



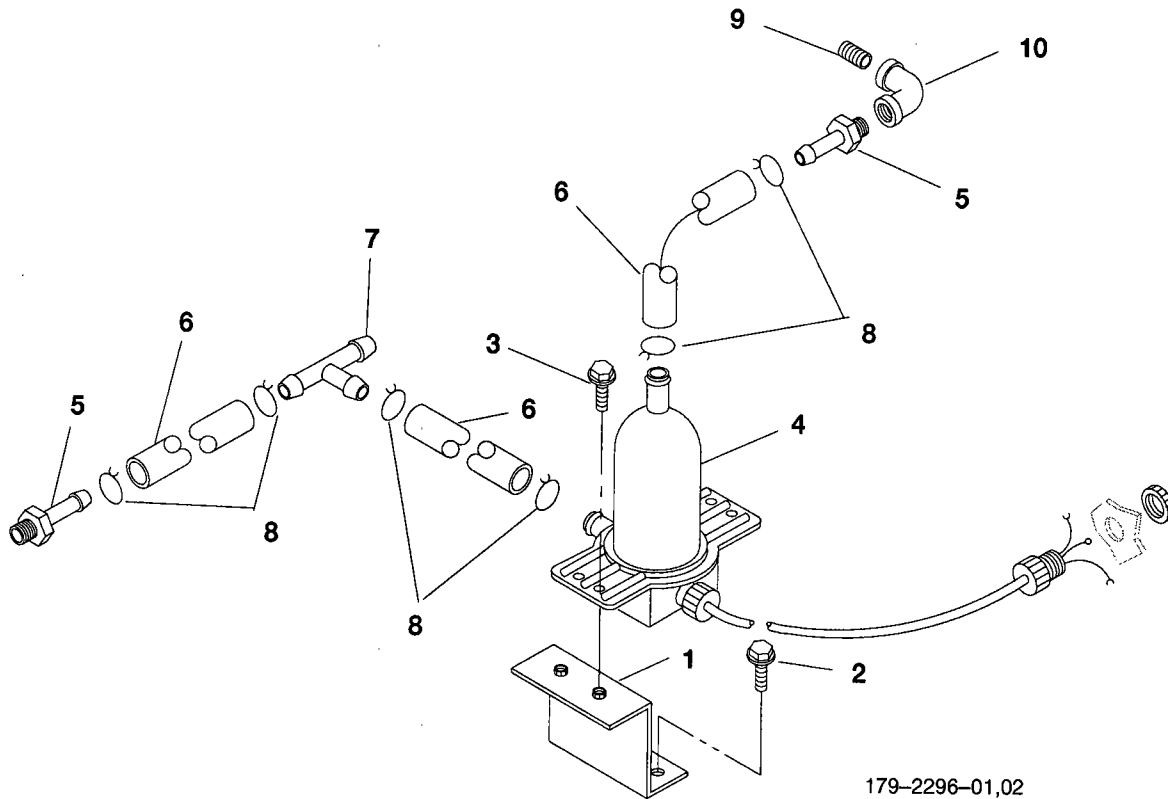
179-1411-01,02

## Radiator Spec B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4422-02	1	Shroud	12	503-1966	1	Hose, Radiator – Upper
2	130-4310-01	1	Radiator (Cap Not Included)	13	503-1967	1	Hose, Radiator – Lower
3	130-4340	1	Fan (6 Blade)	14	503-1140	4	Clamp, Hose
4	130-4427	1	Spacer, Fan	15	130-3929	1	Cap, Radiator
5	800-2073	4	Screw, Cap – Hex Head (M8 x 100mm)	16	191-2171-02	1	Guard, Belt
6	130-4429-02	1	Bracket, Mounting	17	191-2173-02	1	Guard, Belt
7			Screw, Hex Head – With Washer (M8 x 20mm)	18	332-1554	1	Clamp, Loop – Insulated
	821-6003-02	36	Sets Without Duct Adapter Grille	19	130-4460-02	1	Support, Radiator
	821-6003-02	40	Sets With Duct Adapter Grille	20	130-4415	1	Tube, Inlet
8	130-3571	1	Hanger, Tank	21	130-4432	1	Grille, Duct Adapter (Not Used On All Models)
9	130-3570	1	Tank, Coolant Recovery	22	800-2034	2	Screw, Cap – Hex Head (M6 x 20mm)
10	130-4428-04	1	Guard, Fan – Right Side	23	130-4459	2	Gasket, Radiator
11	800-2013	2	Screw, Cap – Hex Head (M5 x 35mm)	24	130-4428-03	1	Guard, Fan – Left Side
				25	130-3572	1	Cap, Coolant Tank
				26	502-0153	1	Plug, Pipe – Brass (1/4")

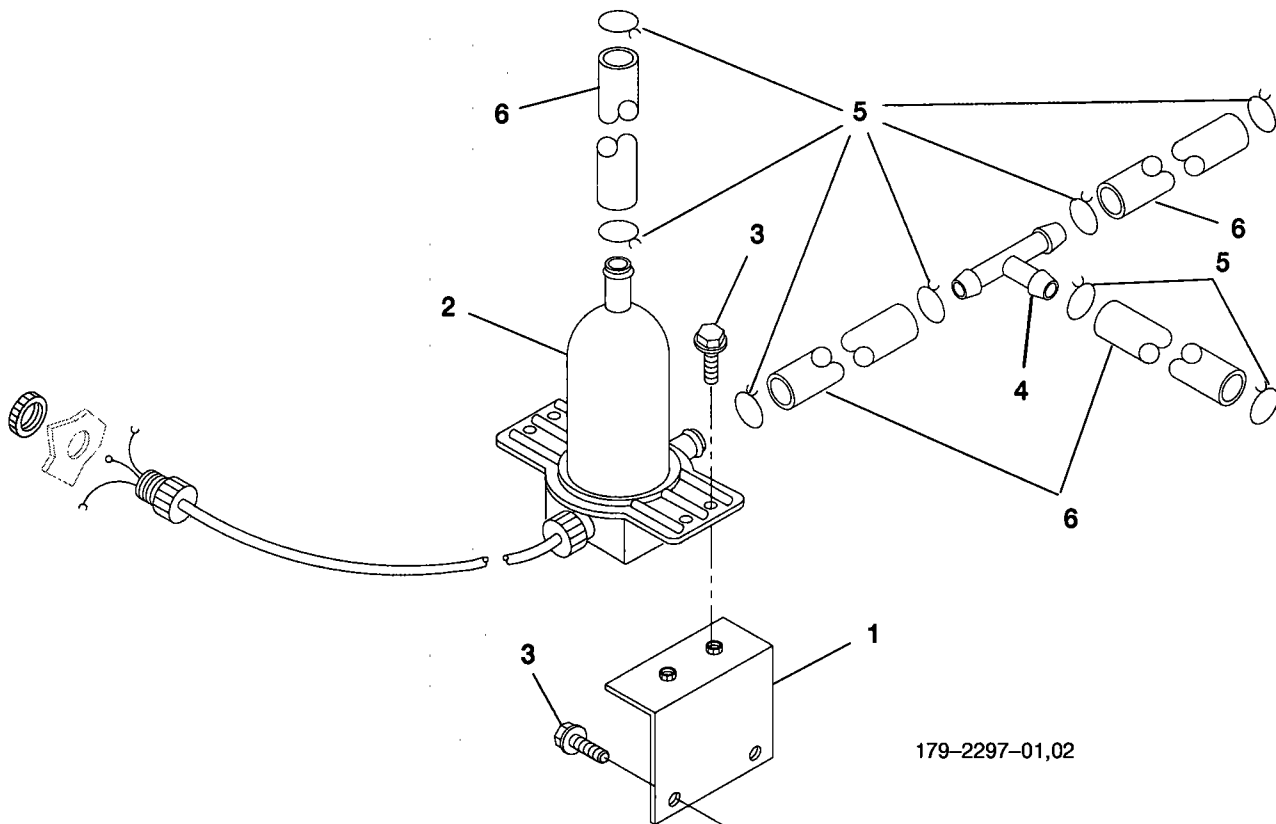


## Coolant Heater Spec A



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	130-4325-02	1	Bracket, Mounting	5	502-1191	2	Connector, Hose (3/8" Pipe to 5/8" ID Hose)
2	821-2058-01	2	Screw, Self-Locking - Hex Washer Head (M8 x 16mm)	6	503-1171	1	Hose, Coolant (6') (Total Required for All Coolant Heater Hoses)
3	821-2034	2	Screw, Self-Locking - Hex Washer Head (M6 x 20mm)	7	502-0870	1	Tee, Hose
4			Heater, Coolant	8	503-0398	7	Clamp, Hose
	333-0541-01	1	120 Volt, 1000 Watt	9	505-0101	1	Nipple, Pipe - Close (3/8")
	333-0541-02	1	208 Volt, 750 Watt	10	505-0039	1	Elbow, Pipe - 90 Deg (3/8")
	333-0541-02	1	240 Volt, 1000 Watt				
	333-0545	1	Thermostat - Not Illustrated				
			Element - Not Illustrated				
	333-0546	1	120 Volt				
	333-0547	1	208, 240 Volt				

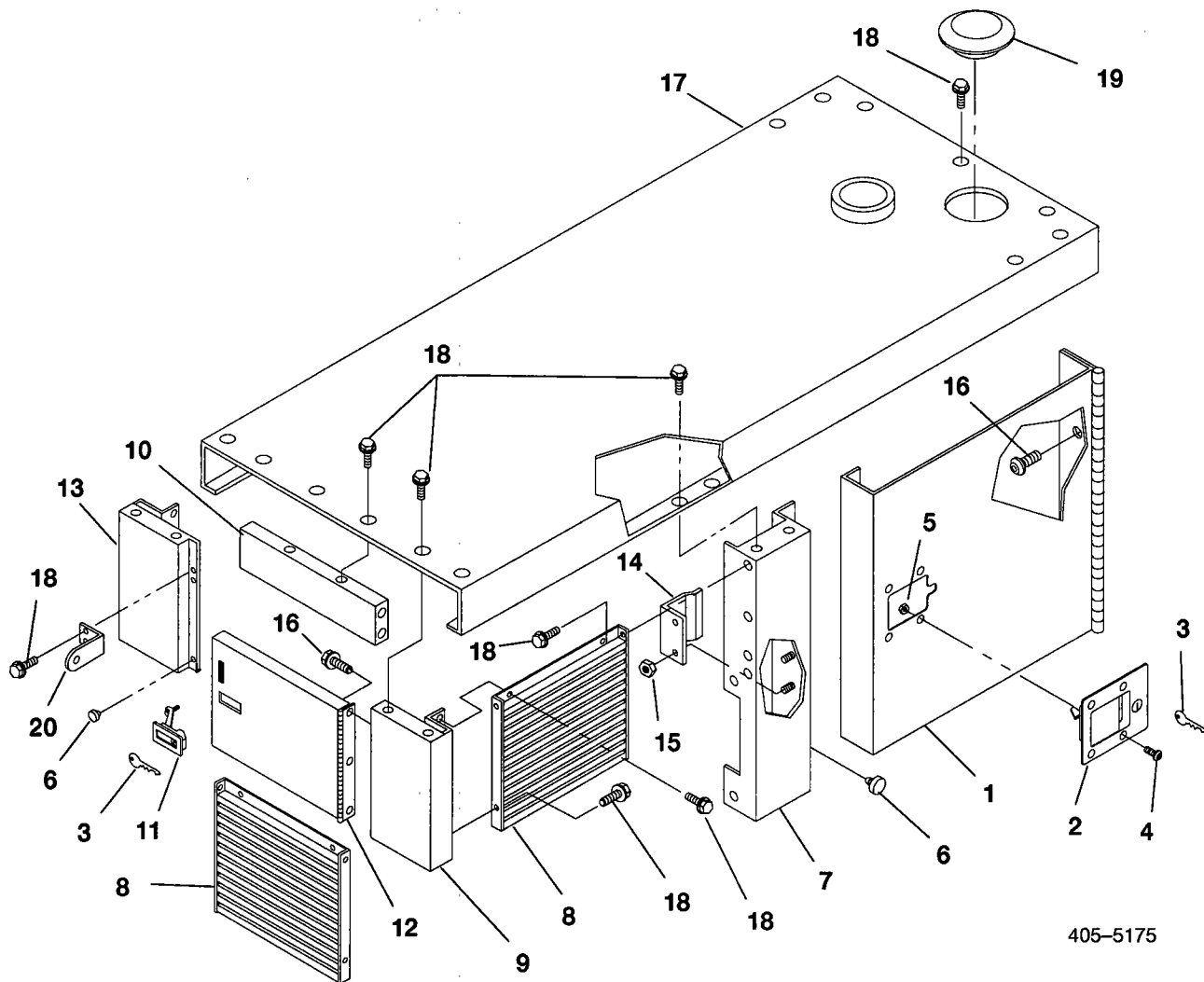
## Coolant Heater Spec B



179-2297-01,02

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0565-02	1	Bracket, Mounting	3	821-2034	4	Screw, Self-Locking – Hex
2			Heater, Coolant				Washer Head (M6 x 20mm)
	333-0541-01	1	120 Volt, 1000 Watt – GEAE, GEAF	4	502-0870	1	Tee, Hose
	333-0541-02	1	208 Volt, 750 Watt – GEAE	5	503-0131	8	Clamp, Hose
	333-0541-02	1	240 Volt, 1000 Watt – GEAE	6	503-1170	1	Hose, Coolant (5') (Total Required for All Coolant Heater Hoses)
	333-0545	1	Thermostat – Not Illustrated				
			Element – Not Illustrated				
	333-0546	1	120 Volt – GEAE, GEAF				
	333-0547	1	208, 240 Volt – GEAE				

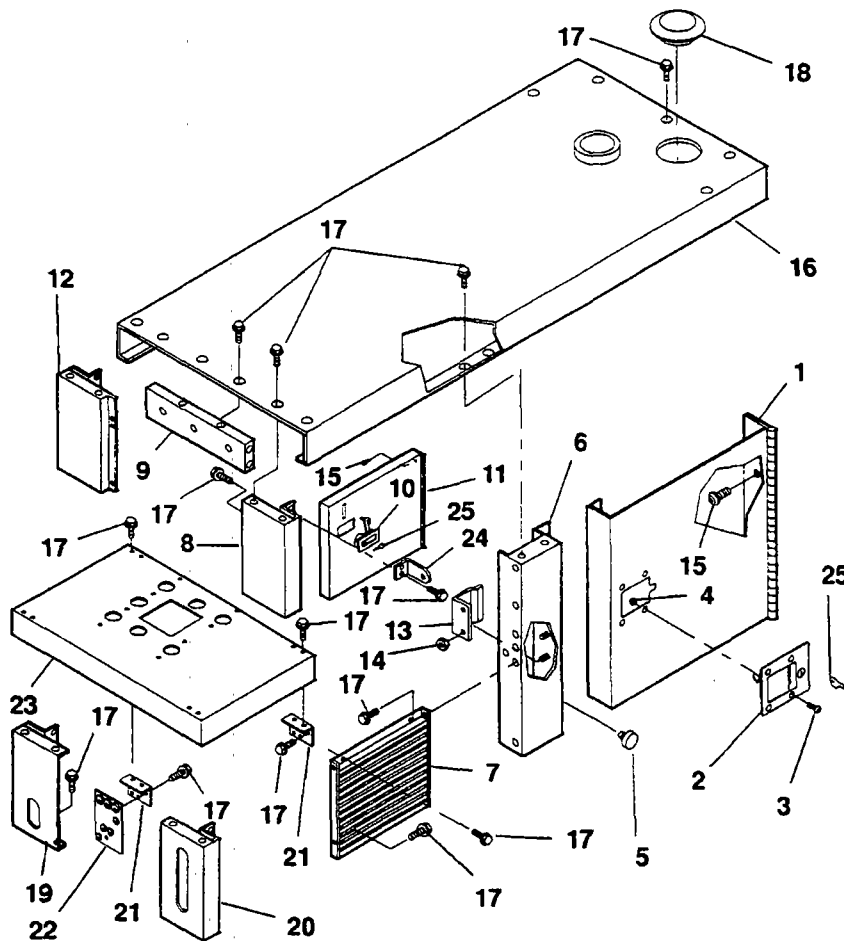
# Housing Sets Without Transfer Switch Spec A



405-5175

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-4920-01	2	Door, Side	12	405-5174-02	1	Door, Rear
2	406-0766	2	Latch, Side Door (Includes Key)	13	405-4913-01	1	Post, Housing - Rear - Right Side
3	406-0782	3	Key - Replacement (All Doors)	14	405-4175	2	Catch, Door
4	815-0835	8	Screw, Oval Head (M5 x 12mm)	15	870-0506	4	Nut, Locking - Nylon (M6)
5	870-2062	8	Nut, Locking - Nylon (M5)	16	820-2000-02	11	Screw, Socket - Button Head (M8 x 12mm)
6	405-4932	6	Bumper, Door	17	405-4910-01	1	Top, Housing
7			Post, Housing - Sides	18	815-0858-01	53	Screw, Self-Locking - Hex Flange Head (M8 x 16mm)
	405-4912-01	1	Left Side	19	517-0245	1	Plug (Fits 4-1/2" Hole)
	405-4911-01	1	Right Side	20	405-5178-01	1	Bracket, Housing
8	405-4915-01	3	Grille				
9	405-4914-01	1	Post, Housing - Rear - Left Side				
10	405-4924-01	1	Panel				
11	406-0765	1	Latch, Control Door (Includes Key)				

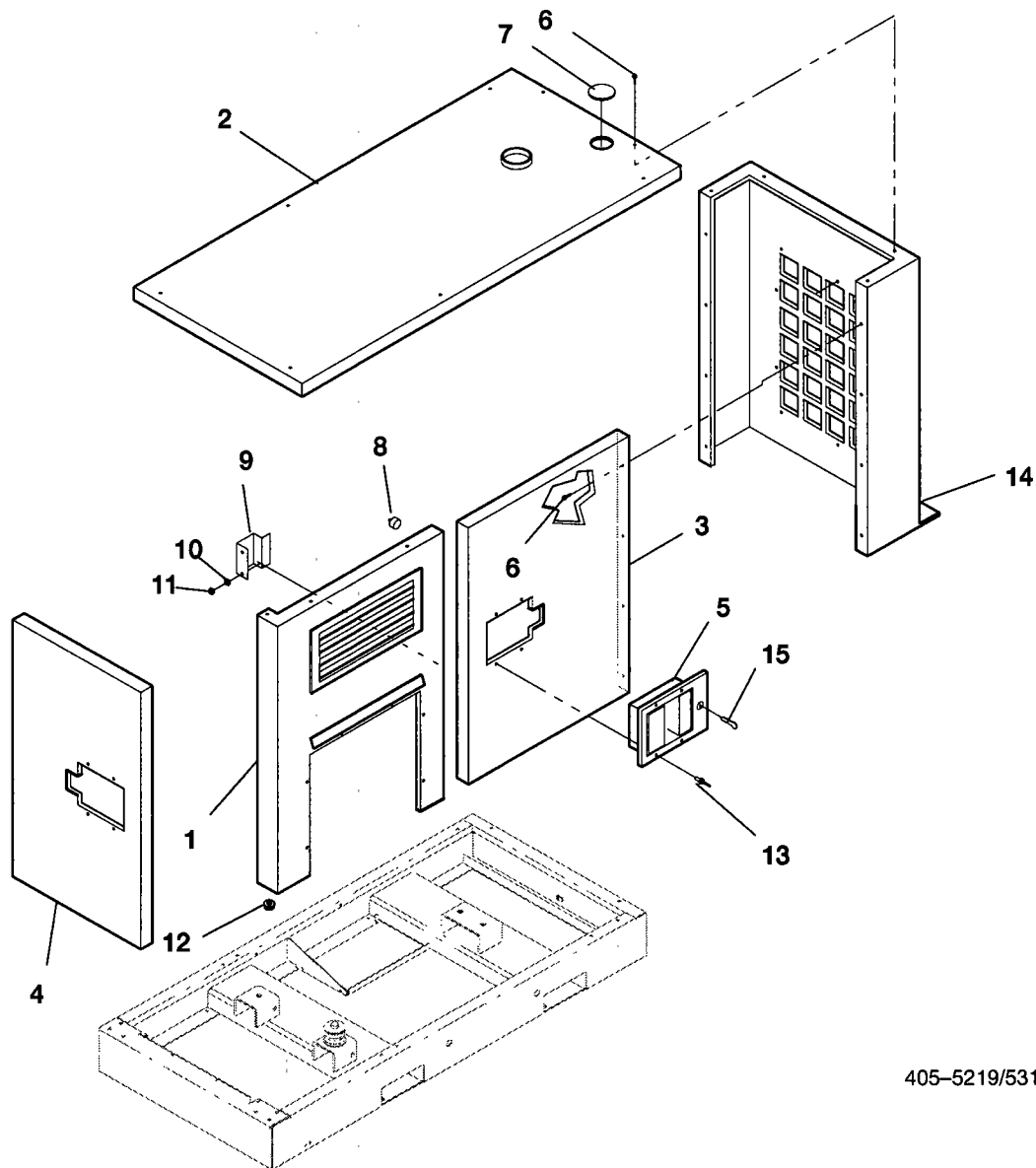
# **Housing Sets With Mounted Transfer Switch Spec A**



405-5175-G

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-4920-01	2	Door, Side	14	870-0506	4	Nut, Locking - Nylon (M6)
2	406-0766	2	Latch, Side Door (Includes Key)	15	820-2000-02	11	Screw, Socket - Button Head (M8 x 12mm)
3	815-0835	8	Screw, Oval Head (M5 x 12mm)	16	405-4910-01	1	Top, Housing
4	870-2062	8	Nut, Locking - Nylon (M5)	17	821-2058-01	57	Screw, Self-Locking - Hex Flange Head (M8 x 16mm)
5	405-4932	6	Bumper, Door	18	517-0245	1	Plug (Fits 4-1/2" Hole)
6			Post, Housing - Sides	19	405-5186-02	1	Post, Housing - Rear - Lower - Right Side
	405-5185-02	1	Left Side	20	405-5187-02	1	Post, Housing - Rear - Lower - Left Side
	405-5184-02	1	Right Side	21	319-2487-02	2	Bracket, Mounting - Control
7	405-4915-01	3	Grille	22	319-2488-02	1	Bracket, Mounting - Heater Junction Box
8	405-4914-01	1	Post, Housing - Rear - Upper - Left Side	23	319-2124-01	1	Cover, Box - Circuit Breaker
9	405-5194-02	1	Panel	24	405-5178-01	1	Bracket, Housing
10	406-0765	1	Latch, Control Door (Includes Key)	25	406-0782	3	Key - Replacement (All Doors)
11	405-5174-01	1	Door, Control				
12	405-4913-01	1	Post, Housing - Rear - Upper - Right Side				
13	405-4175	2	Catch, Door				

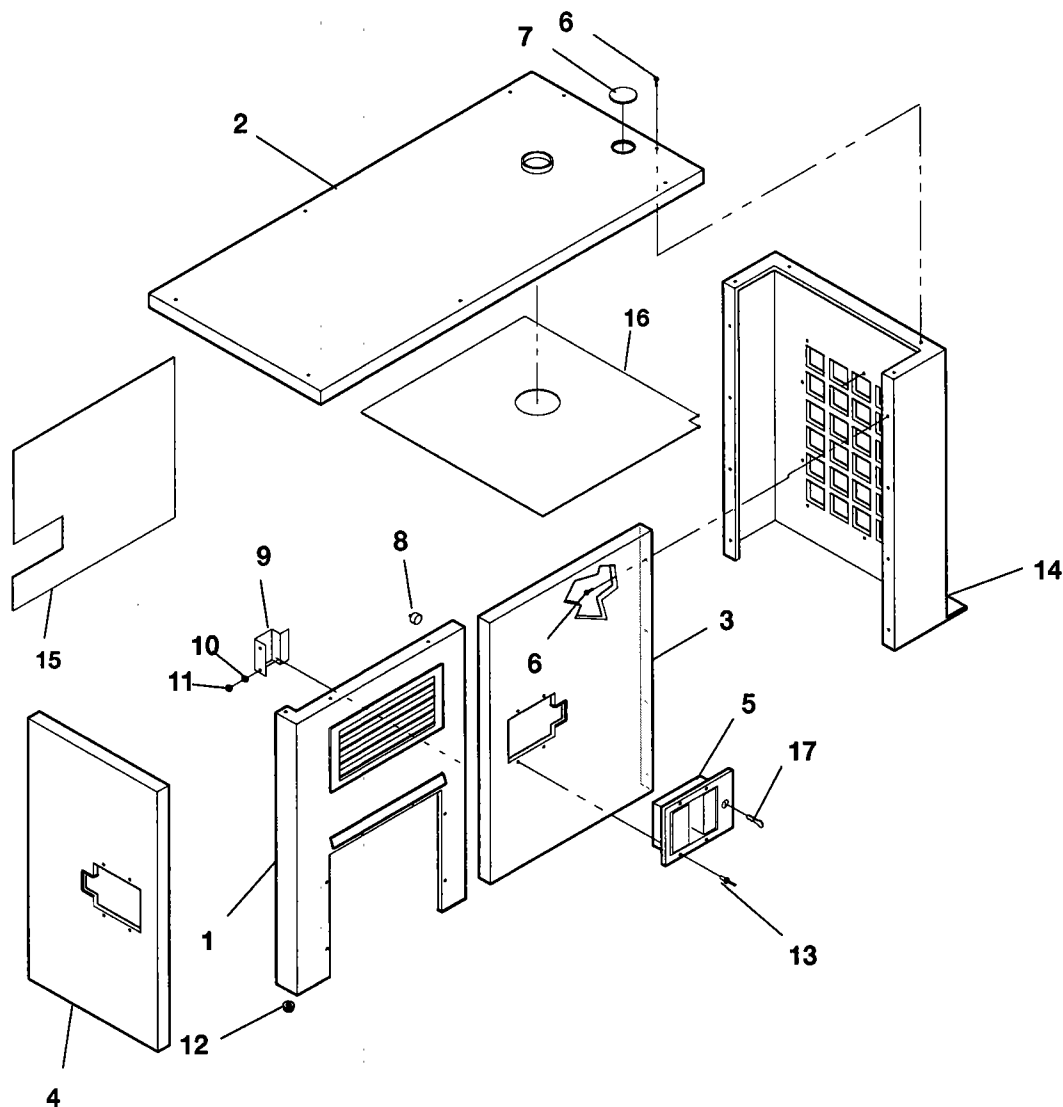
## Housing GEAE Spec B



405-5219/5318

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-5261	1	Panel, Corner Left Side	8	405-5264	6	Bumper
	405-5233	1	Right Side	9	405-5238	2	Catch, Door Side Doors
2	405-5258	1	Top		405-5239	1	Control Door
3	405-5225	2	Door, Side	10	526-0399-60	6	Washer, Flat (M8)
4	405-5227	1	Door, Rear	11	862-0026-55	6	Nut, Hex (M8)
5	406-0766	3	Handle, Locking (Includes Key)	12	870-2065-03	2	Nut, Hex - Flange (M8)
6	821-6003-02	14	Screw, Hex Head - With Washer (M8 x 20mm)	13	818-0231-02	12	Rivet
7	517-0245	1	Plug, Hole	14	130-4421	1	Panel, Front
				15	406-0782	3	Key - Replacement (Fits All Doors)

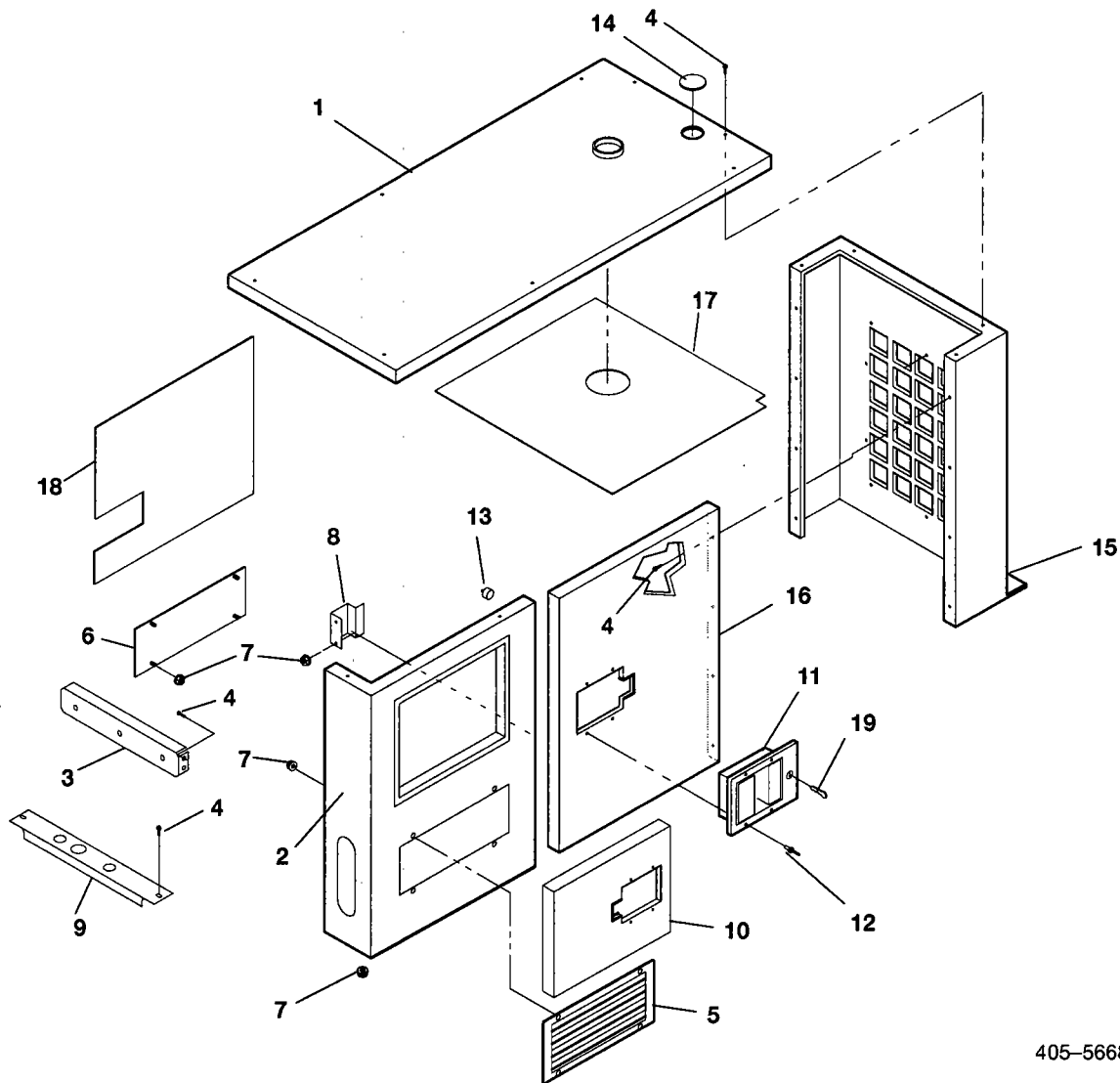
# **Housing Sets Without Transfer Switch GEAF Spec B**



405-5367

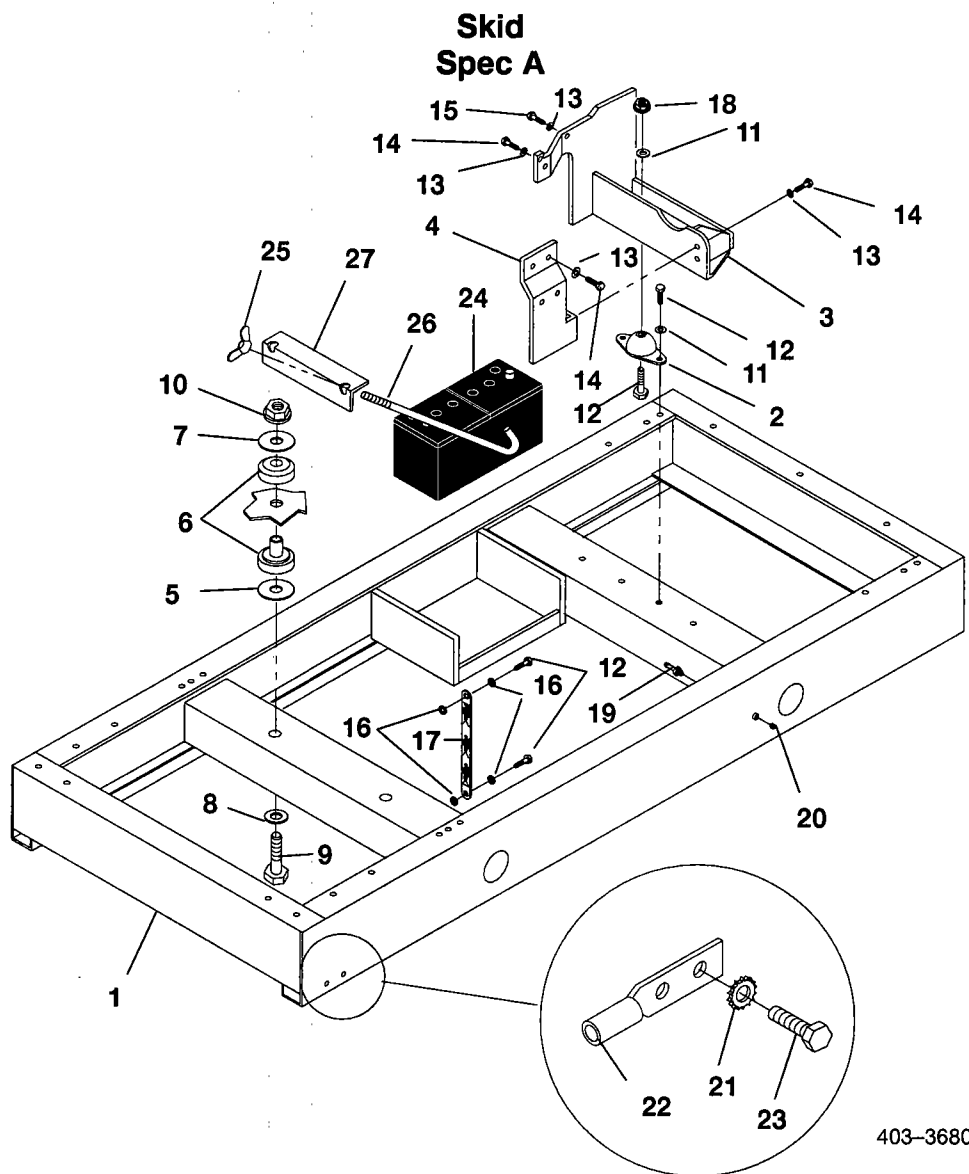
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Panel, Housing	9			Catch, Door
	405-5261	1	Left Side		405-5238	2	Side Doors
	405-5233	1	Right Side		405-5239	1	Control Door
2	405-5258	1	Top, Housing	10	526-0399-60	6	Washer, Flat (M8)
3	405-5225	2	Door, Engine	11	862-0026-55	6	Nut, Hex (M8)
4	405-5227	1	Door, Control - Rear	12	870-2065-03	2	Nut, Hex - Flange (M8)
5	406-0766	3	Handle, Locking (Includes Key)	13	818-0231-02	12	Rivet
6	821-6003-02	14	Screw, Hex Head - With Washer (M8 x 20mm)	14	130-4421	1	Housing, Radiator
7	517-0245	1	Plug, Hole	15	405-5548	1	Insulation, Door - Left Side
8	405-5264	6	Bumper	16	405-5549	1	Insulation, Roof
				17	406-0782	3	Key - Replacement (All Doors)

# **Housing** **Sets With Mounted Transfer Switch** **GEAF Spec B**



405-5668

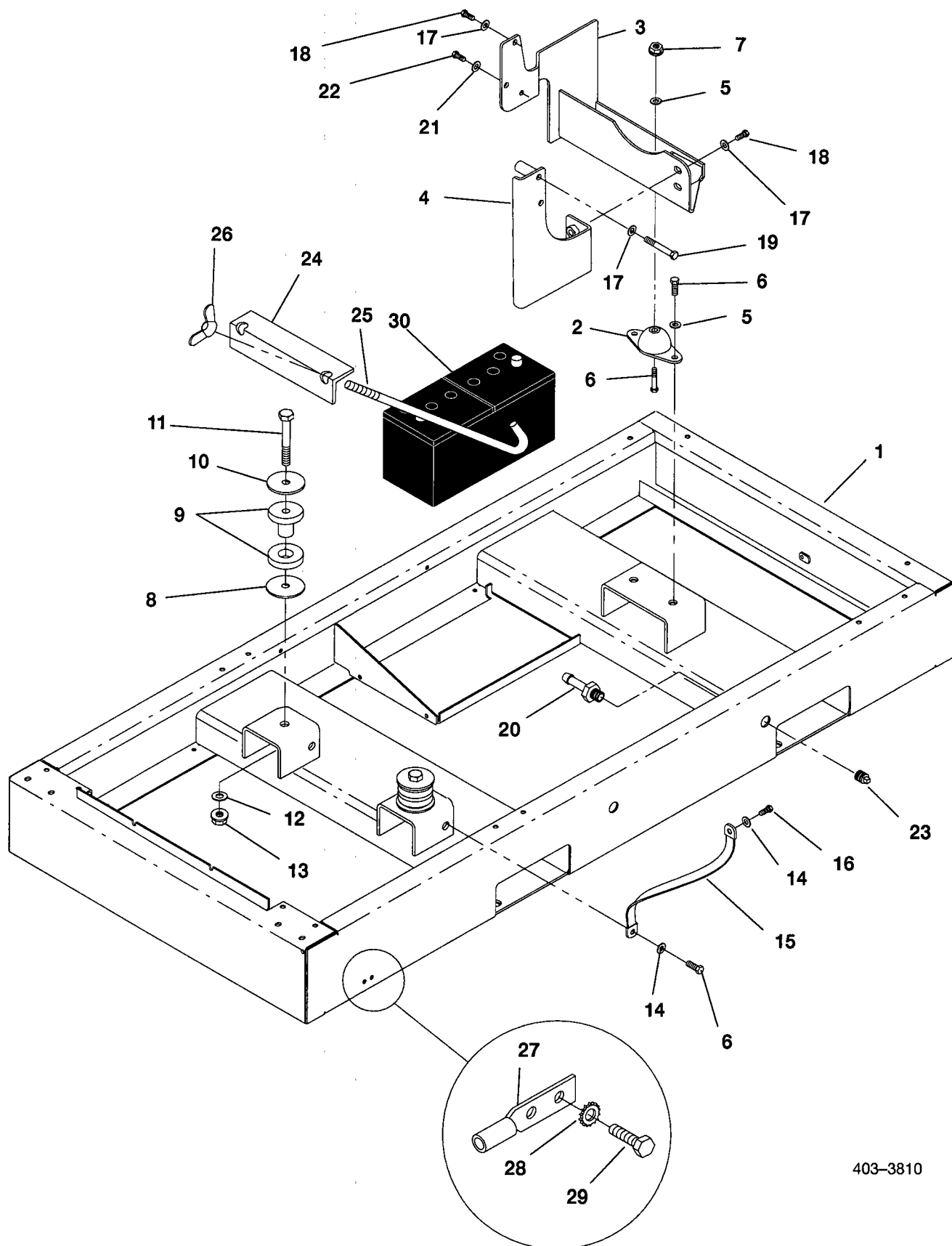
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-5258	1	Top, Housing	10	405-5480	1	Door, Control
2	405-5471	1	Panel, Housing	11	406-0766	3	Handle, Locking (Includes Key)
	405-5474	1	Left Side	12	818-0231-02	12	Rivet
	405-5477	1	Right Side	13	405-5264	6	Bumper
3	405-5477	1	Panel, Housing - Rear	14	517-0245	1	Plug, Hole
4	821-6003-02	29	Screw, Hex Head - With Washer (M8 x 20mm)	15	130-4421	1	Housing, Radiator
5	405-5251	1	Louver	16	405-5225	2	Door, Engine
6	405-5537	1	Panel, Access	17	405-5549	1	Insulation, Roof
7	870-2065-03	18	Nut, Hex - Flange (M8)	18	405-5548	1	Insulation, Door - Left Side
8	405-5238	3	Catch, Door	19	406-0782	1	Key - Replacement (Fits All Doors)
9	319-2820	2	Support, Control				



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-3546-04	1	Skid	13	526-0174	9	Washer, Flat (.406" ID x .781" OD x .1345" Thk)
2	402-0466	1	Isolator, Vibration – Engine End	14	800-2086	8	Screw, Cap – Hex Head (M10 x 25mm)
3	403-3668-02	1	Bracket, Mounting – Engine	15	800-2092	1	Screw, Cap – Hex Head (M10 x 55mm)
4	403-3664-02	1	Support, Engine	16	853-2012	4	Washer, Lock – W/ET (M12)
5	526-0407-02	2	Washer, Flat (17mm ID x 71.4mm OD x 3.4mm Thk)	17	337-0090	1	Strap, Ground (16")
6	402-0663	2	Isolator, Vibration – Generator End (Includes Upper and Lower Half) (With Yellow and White Dots)	18	870-2063	1	Nut, Locking (M12)
7	403-3042-02	2	Washer, Retainer (21/32" ID x 2-3/4" OD)	19	502-0415	1	Fitting, Hose – Oil Drain
8	526-0038	2	Washer, Flat (5/8")	20	505-0266	1	Plug, Pipe – Countersunk (3/8")
9	800-2183	2	Screw, Cap – Hex Head (M16 x 90mm)	21	853-2006	2	Washer, Lock – W/ET (M6)
10	870-0530	2	Nut, Locking (M16)	22	332-3355	1	Terminal, Ring
11	526-2148	3	Washer, Flat (M12)	23	800-2029	2	Screw, Cap – Hex Head (M6 x 12mm)
12	800-2112	5	Screw, Cap – Hex Head (M12 x 30mm)	24	416-0796-01	1	Battery (Wet)
				25	865-0030	2	Nut, Wing
				26	416-0993-02	2	Rod, Hold-Down – Battery
				27	416-0812	1	Hold-Down, Battery



# **Skid Spec B**

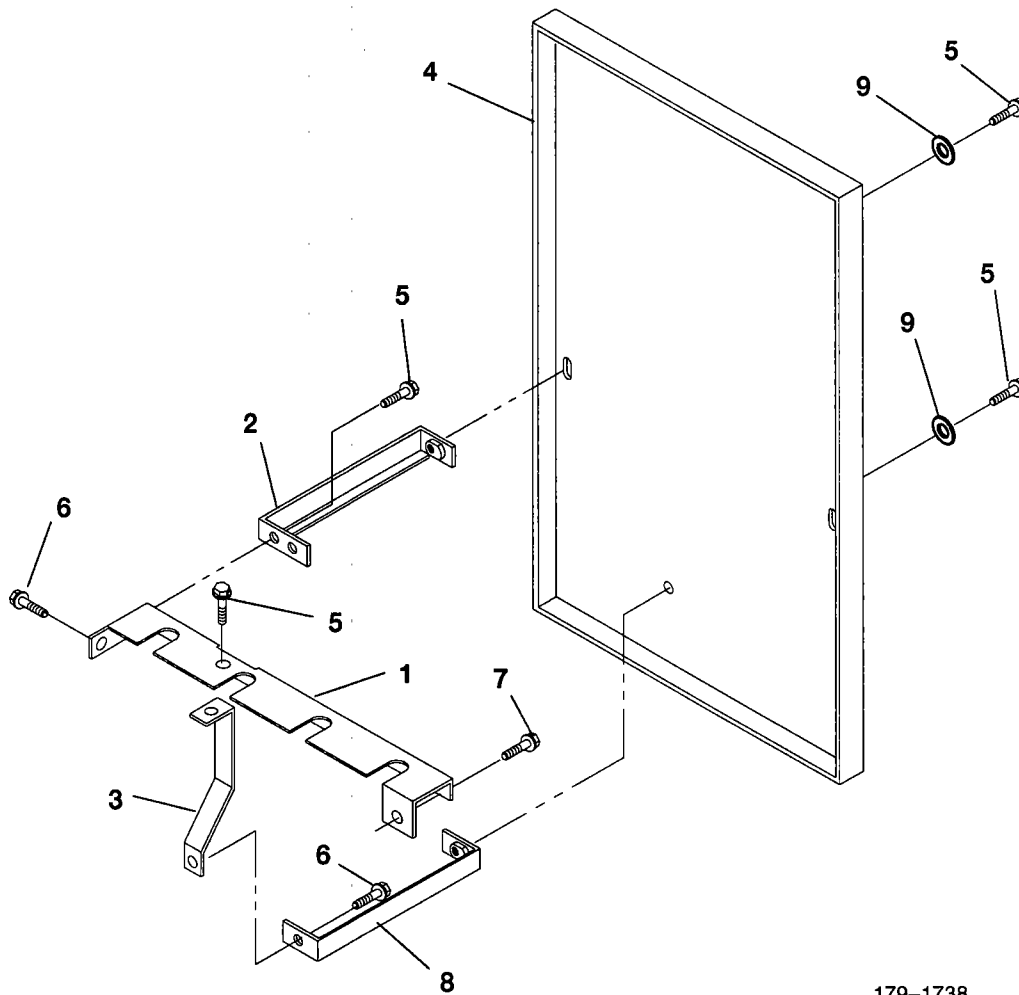


403-3810

## Skid Spec B

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-3788-02	1	Skid	17	526-0174	7	Washer, Flat (.406" ID x .781" OD x .1345" Thk)
2	402-0466	1	Isolator, Vibration	18	800-2086	6	Screw, Cap – Hex Head (M10 x 25mm)
3	403-3794-02	1	Bracket, Mounting – Engine	19	800-2095	1	Screw, Cap – Hex Head (M10 x 70mm)
4	403-3789-02	1	Support, Engine	20	502-0943	1	Connector, Hose
5	526-2148	3	Washer, Flat (M12)	21	526-0122	1	Washer, Flat (5/16")
6	800-2112	4	Screw, Cap – Hex Head (M12 x 30mm)	22	800-2057	1	Screw, Cap – Hex Head (M8 x 20mm)
7	870-2063	1	Nut, Locking – Nylon (M12)	23	505-0266	1	Plug, Pipe – Countersunk (3/8")
8	526-0407-02	2	Washer, Flat (17mm ID x 71.4mm OD x 3.4mm Thk)	24	416-0812	1	Hold-Down, Battery
9	402-0663	2	Isolator, Vibration	25	416-0993-02	2	Rod, Battery Hold-Down
10	403-3042-02	2	Washer, Retainer (2-3/4" OD)	26	865-0030	2	Nut, Wing (M6)
11	800-2183	2	Screw, Cap – Hex Head (M16 x 90mm)	27	332-3355	1	Terminal, Ring
12	526-0038	2	Washer, Flat (5/8")	28	853-2006	2	Washer, Lock – W/ET (M6)
13	870-0530	2	Nut, Locking (M16)	29	800-2029	2	Screw, Cap – Hex Head (M6 x 12mm)
14	853-2012	4	Washer, Lock – W/ET (M12)	30	416-0796	1	Battery (Wet)
15	337-0090	1	Strap, Ground				
16	800-3025	1	Screw, Cap – Hex Head (M12 x 20mm)				

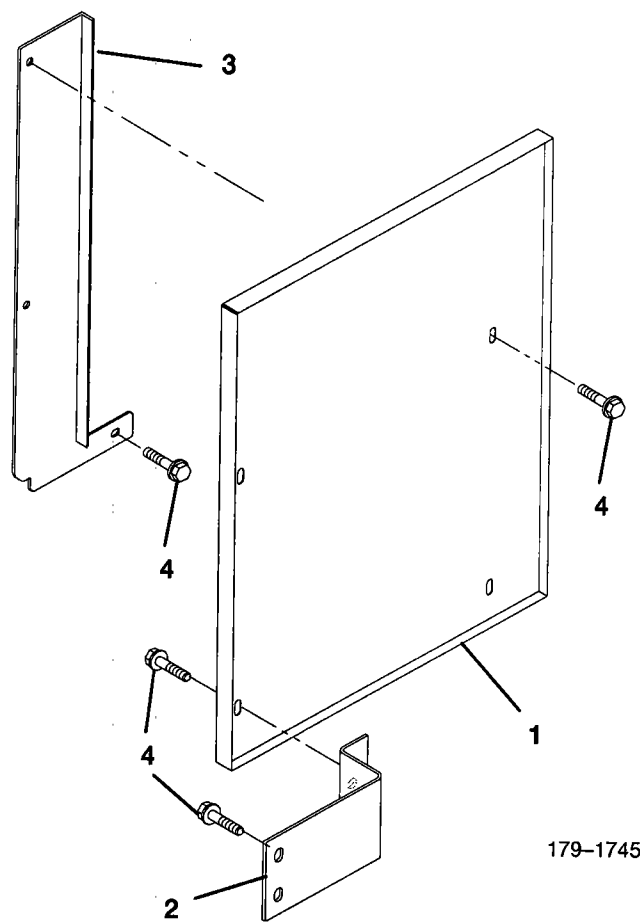
## Heat Shield Spec A



179-1738

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-2933	1	Shield, Heat	6	821-2060	2	Screw, Self-Locking – Hex Washer Head (M10 x 20mm)
2	155-2932-02	2	Bracket	7	821-2076	1	Screw, Self-Locking – Hex Washer Head (M12 x 25mm)
3	155-2941	1	Bracket	8	155-2960	1	Bracket
4	155-2934-02	1	Shield, Heat	9	526-0113	3	Washer, Flat (M8)
5	815-0858-01	8	Screw, Self-Locking – Hex Flange Head (M8 x 16mm)				

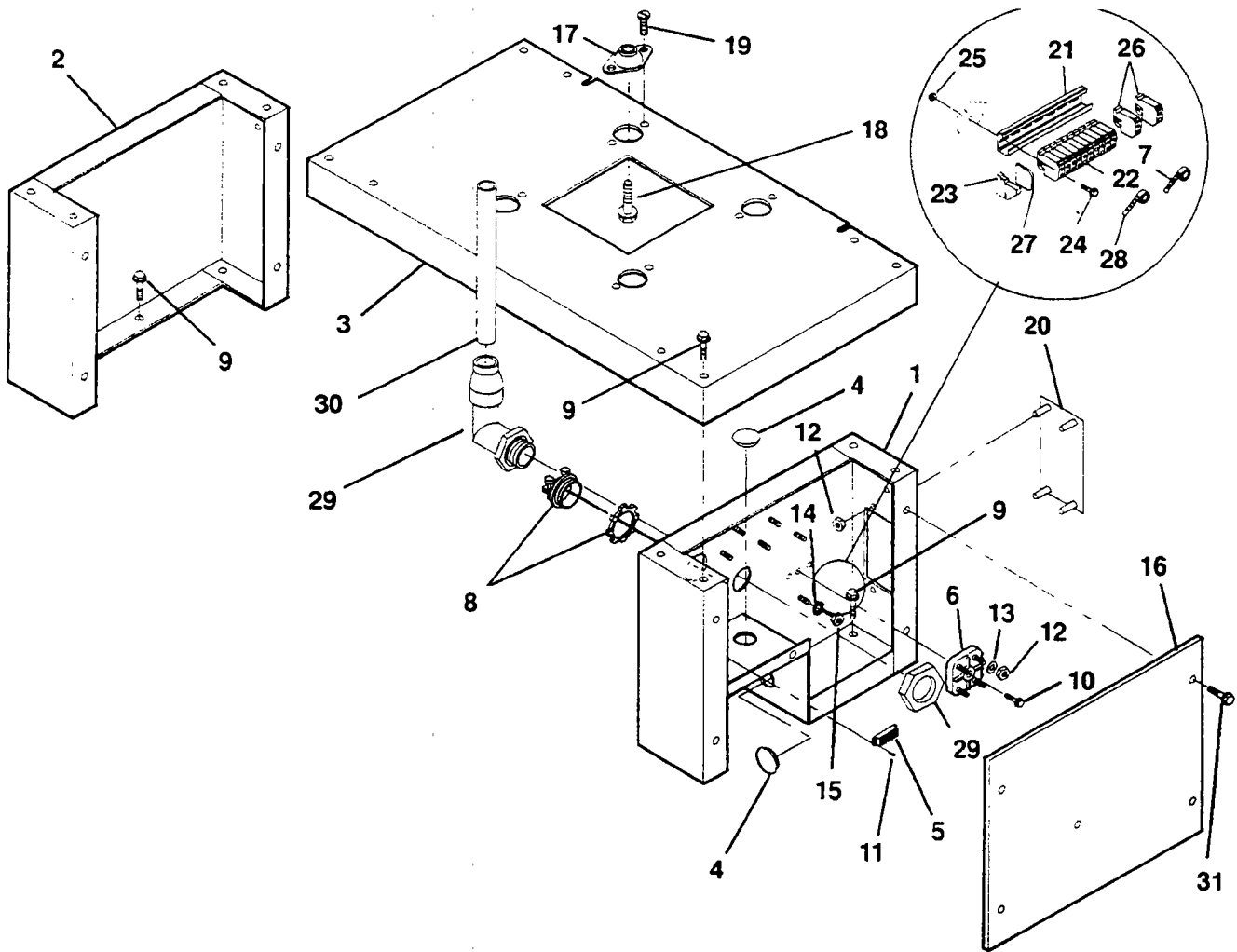
# Heat Shield Spec B



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	155-2962	1	Shield, Heat
2	155-2963-02	1	Bracket, Heat Shield
3	155-2997	1	Bracket, Heat Shield

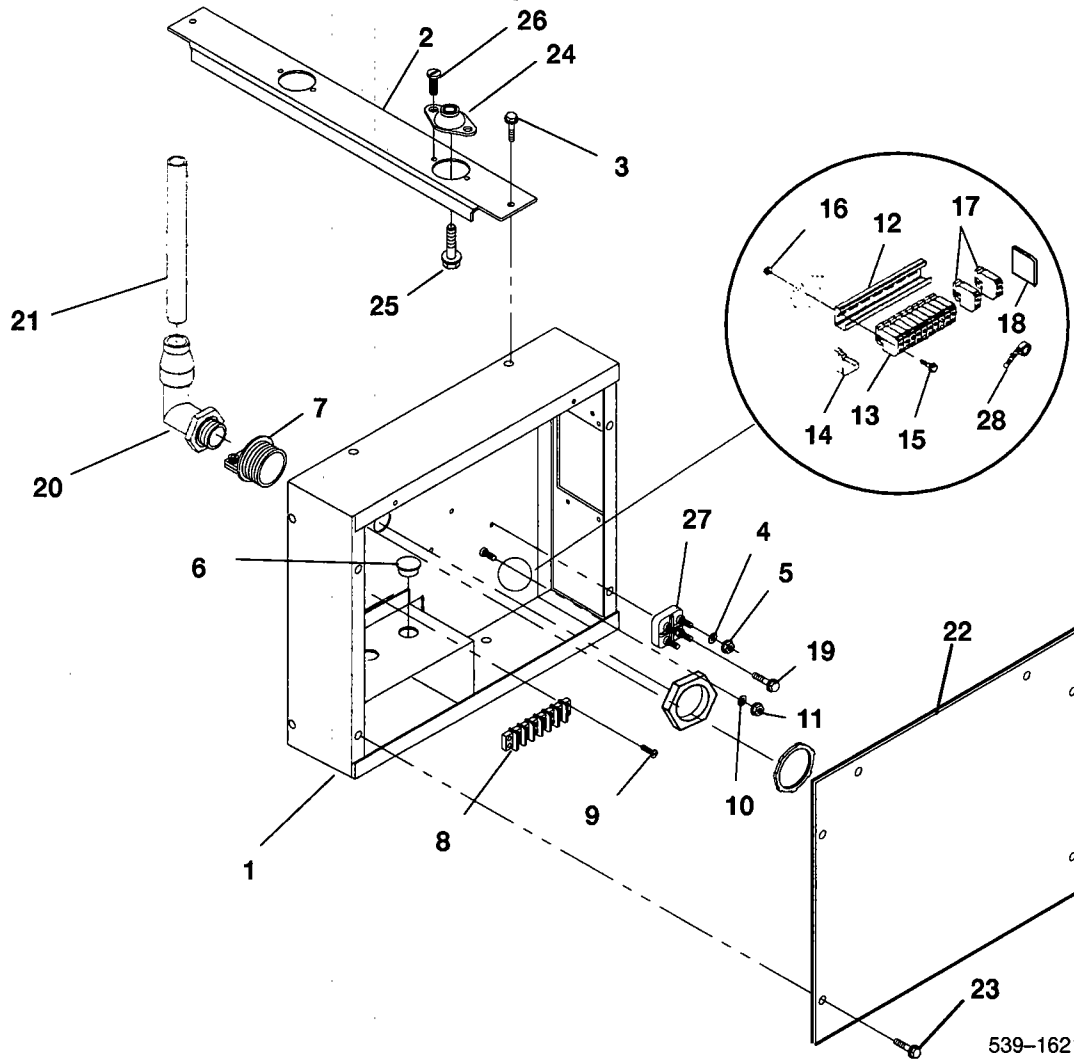
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	821-6003-02	7	Screw, Hex Head – With Washer (M8 x 20mm)

## Output Box Spec A



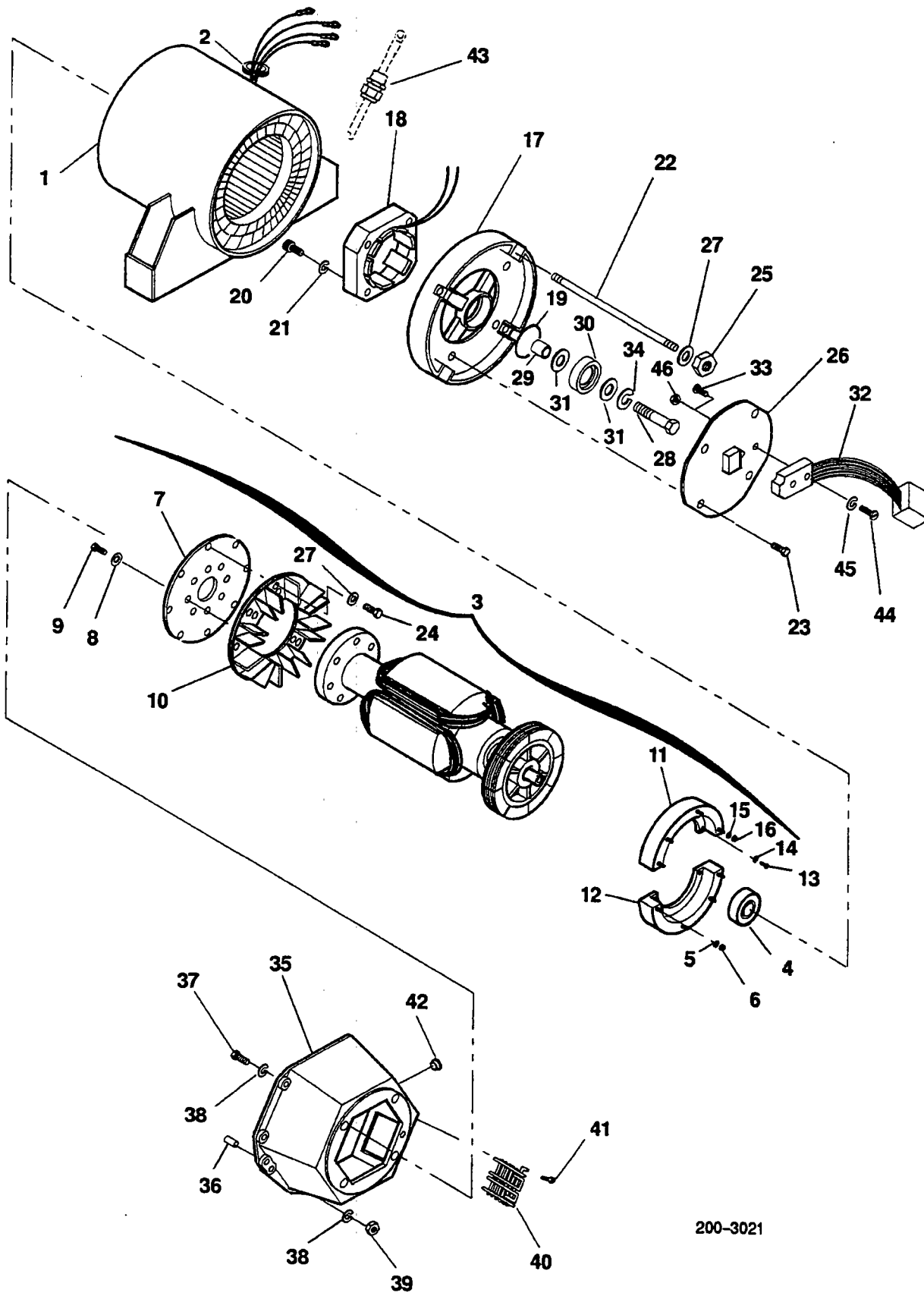
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2031-01	1	Box, Circuit Breaker (With Shelf) Left Side	18	821-2049	4	Screw, Self-Locking - Hex Washer Head (M8 x 35mm)
2	319-2028-01	1	Box (Without Shelf) Right Side	19	815-0828-04	8	Screw, Pan Head - Cross Recessed W/ET (M4 x 16mm)
3	319-2124-01	1	Cover, Output Box	20	319-2135	1	Cover, Circuit Breaker Opening
4	517-0137	5	Plug (Fits 7/8" Hole)	21	332-2837-03	1	Rail, Terminal
5	332-3241	1	Block, Terminal (6 Place)	22	332-2836-02	1	Block, Terminal - 10 Pole Block
6	332-3249	1	Block, Terminal (4 Studs)	23	332-2839	2	Bracket, End - Terminal
7	332-2842-03	1	Tag, Terminal (Numbered Consecutive 101 thru 150)	24	821-2022	2	Screw, Self-Locking - Hex Washer Head (M5 x 16mm)
8	330-0145	1	Connector, Box	25	870-2062	2	Nut, Nylon Locking (M5)
9	815-0858-01	15	Screw, Self-Locking - Hex Flange Head (M8 x 16mm)	26	332-2836-01	2	Block, Terminal - Single Pole
10	821-2023	1	Screw, Self-Locking - Hex Washer Head (M5 x 20mm)	27	332-2841	1	Plate, End - Terminal
11	815-0828-04	2	Screw, Pan Head - Cross Recessed W/ET (M4 x 16mm)	28	332-2842-01	1	Tag, Terminal (Numbered Consecutive 1 thru 50)
12	870-2054	8	Nut, Locking - Hex (M6)	29	331-0548	1	Connector, Elbow - 90 Deg - Liquid Tight (1")
13	526-2081	8	Washer, Flat (M6)	30	331-0549	-	Conduit - Bulk - Liquid Tight (1") (Order by the Foot - 2 Feet Required)
14	853-2006	2	Washer, Lock - ET (M6)	31	821-2058-01	5	Screw, Self-Locking - Hex Washer Head (M8 x 16mm)
15	860-2057	2	Nut, Hex (M6)				
16	319-2033	1	Cover, Output Box				
17	402-0666	4	Isolator, Vibration - Control				

## Output Box Spec B



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2566	1	Box, Output	20	331-0548	1	Connector, Elbow – 90 Deg – Liquid Tight (1")
2	319-2681	2	Support, Control	21	331-0549	–	Conduit – Bulk – Liquid Tight (1") (Order by the Foot – 2 Feet Required)
3	821-6003-02	7	Screw, Hex Head – With Washer (M8 x 20mm)	22	319-2564	1	Cover, Output Box
4	526-2081	8	Washer, Flat (M6)	23	821-6003-02	6	Screw, Hex Head – With Washer (M8 x 20mm)
5	870-2054	8	Nut, Locking – Hex (M6)	24	402-0666	4	Isolator, Vibration – Control
6	517-0137	5	Plug (Fits 7/8" Hole)	25	821-2049	4	Screw, Self-Locking – Hex Washer Head (M8 x 35mm)
7	330-0145	1	Connector, Box	26	815-0828-04	8	Screw, Pan Head – Cross Recessed W/ET (M4 x 16mm)
8	332-3241	1	Block, Terminal – 6 Place	27	332-3249	2	Block, Terminal (4 Terminal Studs)
9	815-0828-04	2	Screw, Pan Head – Cross Recessed W/ET (M4 x 16mm)	28			Tag, Terminal
10	853-2006	2	Washer, Locking – ET (M6)		332-2842-01	1	Numbered Consecutive 1 thru 50
11	860-2057	2	Nut, Hex (M6)		332-2842-03	1	Numbered Consecutive 101 thru 150
12	332-2837-03	1	Rail, Terminal				
13	332-2836-02	1	Block, Terminal – 10 Pole Block				
14	332-2839	2	Bracket, End – Terminal				
15	821-2022	2	Screw, Self-Locking – Hex Washer Head (M5 x 16mm)				
16	870-2062	2	Nut, Locking – Nylon (M5)				
17	332-2836-01	2	Block, Terminal – Single Pole				
18	332-2841	1	Plate, End – Terminal				
19	821-2023	2	Screw, Self-Locking – Hex Washer Head (M5 x 20mm)				

# Generator



200-3021

## Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Stator, Generator (Includes Grommet and Hub)	22			Stud, Generator Through
			<b>GEAD (Stack Length 87)</b>	520-1002-02	4		GEAD
220-4436-01	1		Sets Without Mounted Transfer Switch	520-1002-10	4		GEAE
220-4436-08	1		Sets With Mounted Transfer Switch	520-1002-12	4		GEAF
			<b>GEAE (Stack Length 178)</b>	23	821-0001-01	4	Screw, Locking – Hex Flange Head (#10–24 x 3/8")
220-4436-05	1		Sets Without Mounted Transfer Switch	24	800-0310-36	8	Screw, Cap – Hex Head (3/8–16 x 1")
220-4436-12	1		Sets With Mounted Transfer Switch	25	862-0026-07	8	Nut, Hex (3/8–16)
			<b>GEAF (Stack Length 219)</b>	26	234-0957-02	1	Cover, Inlet
220-4436-06	1		Sets Without Mounted Transfer Switch	27	526-0399-42	12	Washer, Flat (3/8")
220-4436-13	1		Sets With Mounted Transfer Switch	28	800-0515	1	Screw, Cap – Hex Head (3/8–16 x 1–3/4")
2	508-1073	1	Grommet	29	191-2131	1	Spacer
3			Rotor Assembly, Generator (Includes Parts Marked *)	30	166-0767	1	Rotor (Overspeed)
	201-3512-01	1	GEAD (Stack Length 87)	31	526-0124	2	Washer, Flat (3/8")
	201-3512-05	1	GEAE (Stack Length 180.8)	32	300-4324	1	Board, Printed Circuit – Overspeed
	201-3512-06	1	GEAF (Stack Length 222)	33	815-0849	2	#Screw, Machine – Pan Head – Cross Recessed W/IT (#6–32 x 3/4")
4	510-0173	1	*Bearing, Ball	34	850-0050	1	Washer, Lock – Spring (3/8")
5	526-0399-11	2	*Washer, Flat (#10)	35	231-0358	1	Adapter, Generator (Includes Dowel Pins)
6	870-0131-01	2	*Nut, Hex – W/ET (#10)	36	775-0089	2	Pin, Dowel (M10 x 20mm)
7	232-3816-03	1	*Disc, Drive	37	800-2087	5	Screw, Cap – Hex Head (M10 x 30mm)
8	526-0399-73	8	*Washer, Flat (M12 Hardened)	38	850-2010	7	Washer, Lock – Spring (M10)
9	800-3017-52	8	*Screw, Cap – Hex Head (M12 x 20mm)	39	860-2009	2	Nut, Hex (M10)
10	205-0228-02	1	*Fan, Generator	40	130-4351-01	1	Guard, Fan
11	358-0069	1	*Rectifier – Positive	41	821-2021	2	Screw, Self-Locking – Hex Washer Head (M5 x 12mm)
12	358-0070	1	*Rectifier – Negative	42	517-0135	1	Plug, Hole
13	822-2160-37	4	*Screw, Machine – Pan Head (#10–32 x 1/2")	43	331-0542-03	4	Hub – Generator Leads – Sets With Mounted Transfer Switch
14	853-0040-04	4	*Washer, Lock – W/ET (#10)	44	815-0865-13	2	+Screw, Machine – Pan Head – Slotted (M4 x 45mm)
15	526-0399-11	6	*Washer, Flat (#10)	45	850-2004	2	+Washer, Lock – Spring (M4)
16	870-0131	6	*Nut, Hex – W/ET (#10)	46	860-2005	2	+Nut, Hex (M4)
17	211-0464	1	Bell, End				
18	220-4413-01	1	Stator, Exciter				
19	509-0143	1	Seal, O-Ring				
20	802-0040-01	2	Screw, Cap – Socket Head (1/4–20 x 2")				
21			Washer, Lock – Spring				
	850-0114-53	2	M6 (GEAD, GEAE, GEAF Spec A)				
	850-0114-05	2	1/4" (GEAF Spec B)				

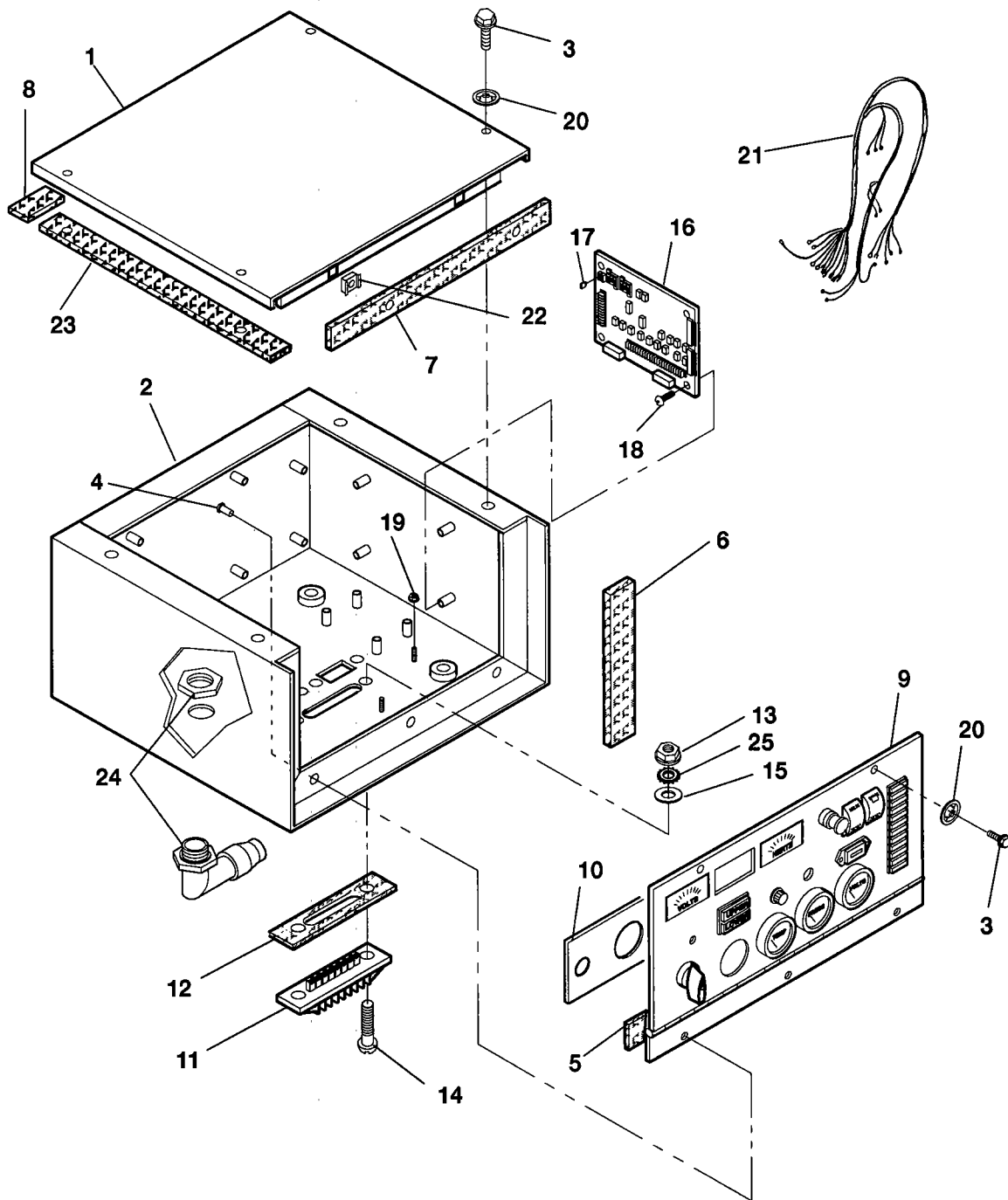
\* – Parts Included in Generator Rotor Assemblies

# – Used to Mount Overspeed Boards With Threaded Standoffs

+ – Used to Mount Overspeed Boards Without Threaded Standoffs



# Control

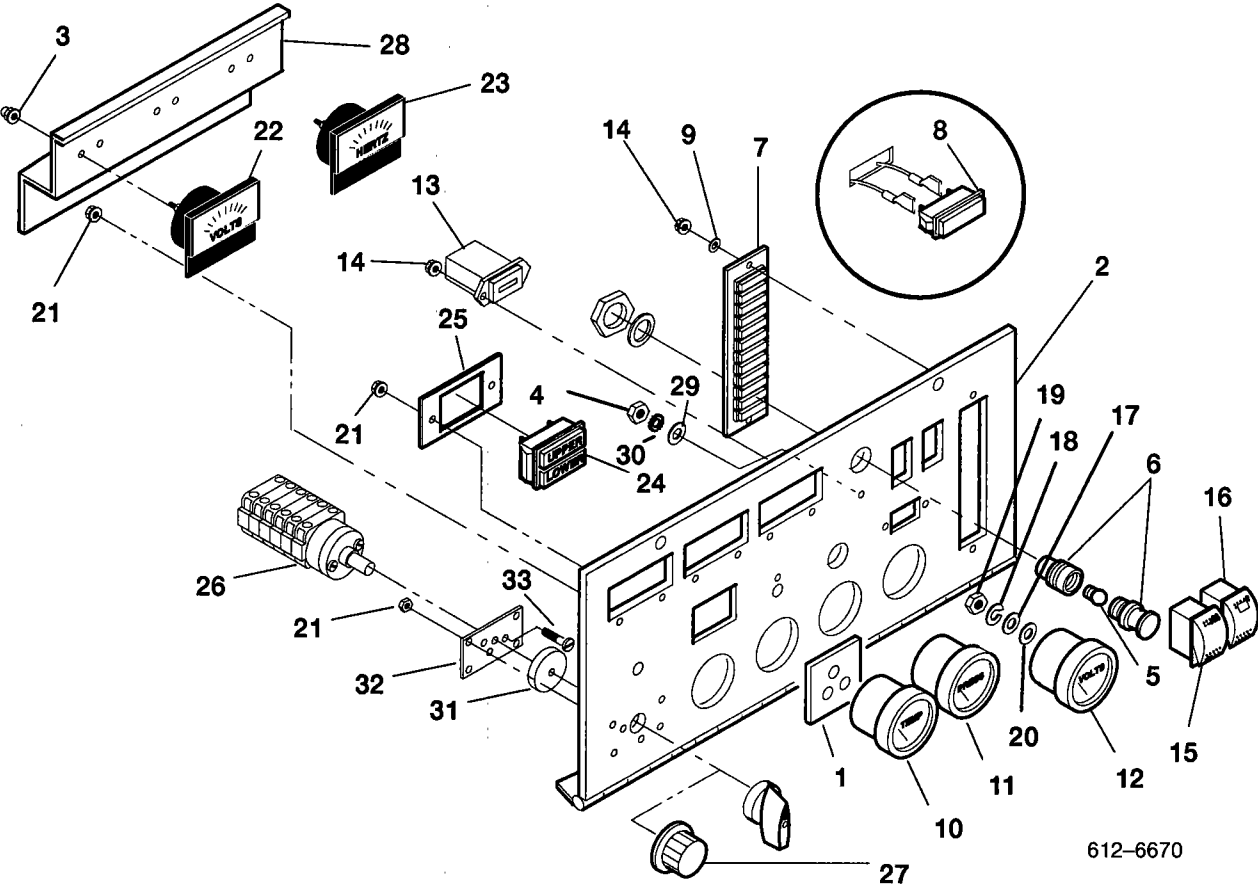


612-6670

## Control

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2100-01	1	Cover, Control Box	17			Fuse
2	319-2409-02	1	Box, Control		321-0307-03	2	5 Amp (Tan) (F4,F5)
3	800-2034-01	6	Screw, Cap - Hex Head (M6 x 20mm)		321-0307-06	1	15 Amp (Light Blue) (F3)
					321-0307-07	2	20 Amp (Yellow) (F1,F2)
4	818-0153	3	Rivet	18	815-0550	4	Screw, Machine - Round Head - Cross Recessed W/IT (#6-32 x 3/8")
5	895-0337	1	Gasket, Foam - Hinge				
6	895-0336	2	Gasket, Foam - Sides	19	870-0183	3	Nut, Hex - W/EIT (#6-32)
7	895-0338	1	Gasket, Foam - Top	20	526-0422	6	Washer, Retainer - Nylon
8	895-0339	1	Gasket, Foam - Cover - Rear	21	-	3	Harness, Wiring - Control Panel, Engine to Control, Ignition (See Separate Page for Components)
9	-	1	Panel Assembly, Control (See Separate Page for Components)				
10	308-1035-02	1	Plate	22	870-2195	2	Nut, Captive - Floating (M6)
11	332-3239	1	Block, Terminal - 8 Place (TB1)	23	895-0353	2	Gasket, Foam - Cover - Sides
12	332-3244	1	Gasket, Terminal Block	24	331-0548	1	Connector, Elbow - 90 Deg - Liquid Tight (1")
13	870-0131	2	Nut, Hex - W/ET (#10-32)	25	853-0008	2	Washer, Lock - ET (#10)
14	813-0108	2	Screw, Machine - Round Head Slotted (#10-32 x 1-1/2")				
15	526-0008	2	Washer, Flat (#10)				
16	300-4296	1	Board, Engine Monitor - 12 Light Control (Includes Fuses) (A11)				

Control Panel Assembly

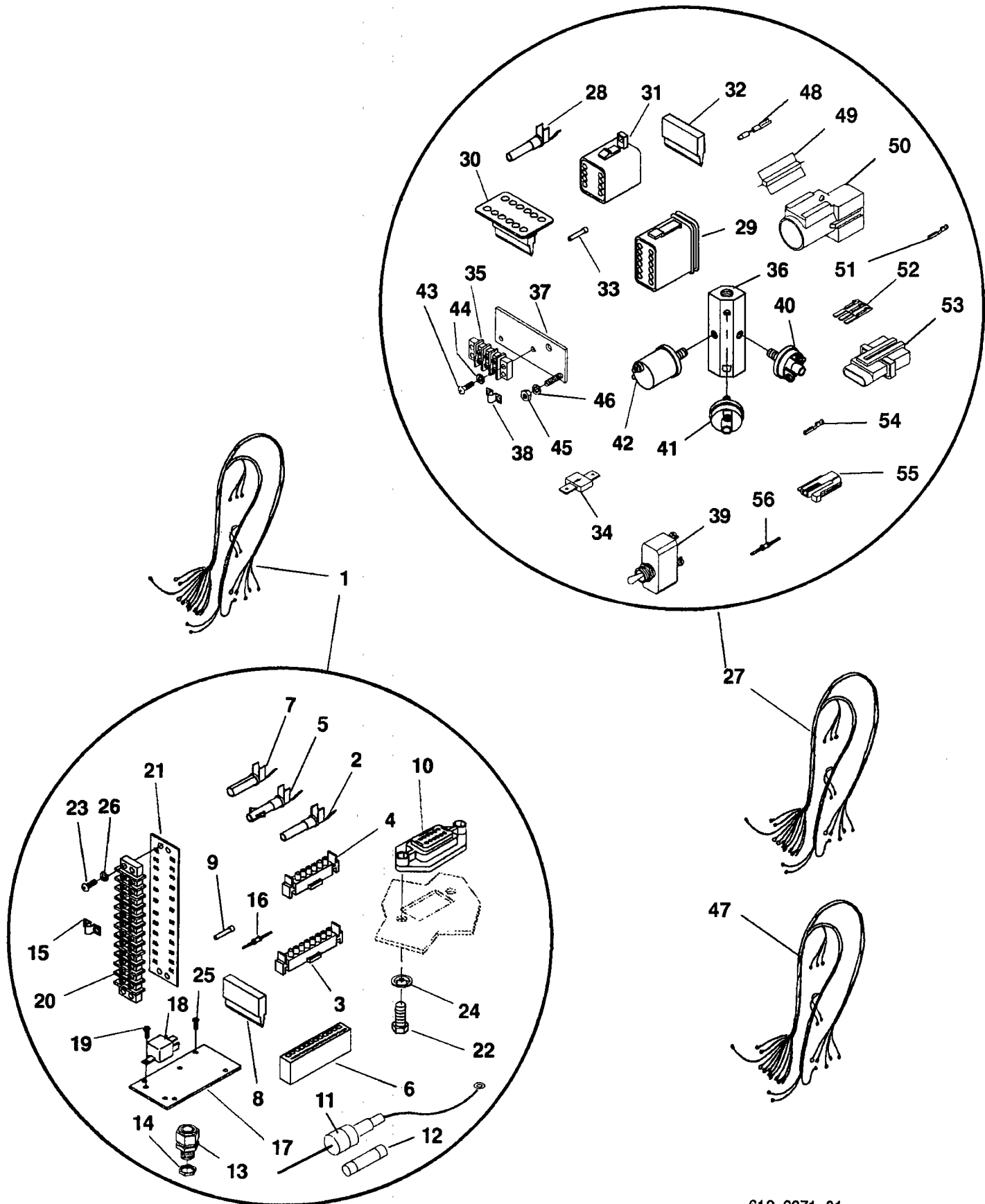


## Control Panel Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4323	1	Board, Printed Circuit – Water Temperature Gauge	19			Nut, Hex (#10-32)
2	319-2491-03	1	Panel, Control		871-0010	10	All Gauges (Brass)
3	870-0439	6	Nut, Acorn (1/4-28)		870-0131	6	Water Temperature Gauge (W/ET)
4	870-0183	1	Nut, Hex – W/ET (#6-32)	20	526-0409	5	Washer, Nylon
5	322-0004	1	Bulb, Panel Light – Replacement	21	870-1220	12	Nut, Hex – W/ET (#4-40)
6	322-0361	1	Light, Panel (DS11)	22	302-1148	1	Voltmeter (M21)
7	322-0458	1	Light Assembly, Indicator – 12 Light Assembly (Includes Wiring Harness and Connector Housing) (A12)	23	302-1968	1	Meter, Frequency (M23)
8	322-0369-01	1	Light, Indicator – Replacement	24	322-0363	1	Light, Indicator – Upper/Lower Scale (DS21,DS22)
9	526-0196	2	Washer, Flat (7/32" ID x 7/16" OD x 1/8" Thk)	25	319-2141	1	Bracket, Mounting – Indicator Light
10	193-0351	1	Gauge, Water Temperature (M12)	26	308-1052	1	*Switch, Rotary – Voltmeter/ Ammeter (Includes Knob) (S21)
11	193-0466	1	Gauge, Oil Pressure (M11)	27	303-0032	1	Knob, Rotary Switch (Round Style) Used During Early Portion of Spec A
12	302-1641	1	Voltmeter (M13)	28	319-2144	1	Cover, Meter – Lexan
13	302-0885	1	Meter, Time Totalizing (M14)	29	526-0002	1	Washer, Flat (#6)
14	870-1220	4	Nut, Hex – W/ET (#4-40)	30	853-0005	1	Washer, Lock – ET (#8)
15	308-1011	1	Switch, Rocker – Run/Stop/Remote (S12)	31	308-1056	1	*Gasket, Switch
16	308-1010	1	Switch, Rocker – Lamp Test/Restart (S11)	32	319-2490	1	*Bracket, Mounting – Switch
17	526-0049	13	Washer, Flat – Brass (#10)	33	815-0875-02	3	Screw, Machine – Pan Head – Cross Recessed (M4 x 8mm)
18	850-0030	5	Washer, Lock – Spring (#10) Voltmeter and Oil Pressure Gauge				

\* – Use Began During Later Portion of Spec A

# Wiring Harness



612-6671-01

## Wiring Harness

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3161-02	1	Harness, Wiring – Control Panel to Ground, Circuit Breaker, TB3, CT21, CT22, Generator, TB21, VR21, F1, F2, TB1, P1, A28, K11, K12, K13 and A11 (Includes Parts Marked *)	31	323-1541	1	^+#Plug, Connector – 8 Place (P2)
2	323-1491	10	*Pin, Contact (Used in P1)	32	323-1543	1	^+#Wedge, Plug (Used in P2)
3	323-1306	1	*Housing, Connector – 8 Place (J1)	33	323-1591	6	^+#Plug, Connector (Used in J1 and P2)
4	323-1304	2	*Housing, Connector – 6 Place (J1,J2)	34	357-0030	1	+Diode (6 Amp)
5	323-1200	15	*Socket, Contact (Used in J1,J2)	35	332-0611	1	Block, Terminal – Engine Ground – 3 Place (T26)
6	323-1308	1	*Housing, Connector – 12 Place (J4)	36	120-1312-02	1	Manifold, Oil Pressure
7	323-1302	11	*Pin, Contact (Used in J4)	37	319-2400-02	1	Bracket, Mounting – Engine Ground – Spec A
8	323-1581	1	*Wedge, Receptacle (Used in P1)	38	332-1043	2	Jumper (Used on T26)
9	323-1591	1	*Plug, Connector (Used in P1)	39			Switch, Toggle – Fuel Solenoids (S10)
10	323-1633-01	1	*Connector, Receptacle – 12 Place – Grey (P1)		308-0005	1	GEAD, GEAE, GEAF Spec A
11	321-0330	1	*Holder Assembly, Fuse (Includes Fuse)		308-0068	1	GEAE, GEAF Spec B
12	321-0113	1	*Fuse – 30 Amp (F1)	40	309-0641-03	1	Switch, Oil Pressure – 14 PSI (S1)
13	331-0542-01	2	*Hub, Connector (3/8")	41	309-0641-07	1	Switch, Oil Pressure – 20 PSI (S5 Pre-Alarm)
14	331-0543-01	2	*Nut, Locking – Connector Hub (3/8")	42	193-0244	1	Sender, Oil Pressure (E1)
15	332-1043	2	Jumper (Used on TB21)	43	815-0828-04	2	Screw, Machine – Round Head (M4 x 16mm) Spec A
16	350-1222	1	Resistor (1.5k Ohms) (Used on TB21)	44	853-0005	2	Washer, Lock – W/ET (#8) Spec A
17	319-2140	1	Plate, Relay Mounting	45	860-2058	1	Nut, Hex (M8) Spec A
18	307-2817-01	3	Relay (K11,K12,K13)	46	854-0017	1	Washer, Lock – IT (5/16") Spec A
19	821-0040	3	Screw, Locking – Slotted – Hex Flange Head (#10-32 x 5/16")	47	166-0844	1	Harness, Wiring – Ignition – GEAE, GEAF Spec B
20	332-0607	1	Block, Terminal – 12 Place (TB21)	48	166-0850	2	^#Socket, Contact (Used in P3) GEAE Spec B
21	332-2723	1	Strip, Marker	49	166-0849	1	^#Wedge, Connector (Used in P3) Spec B
22	800-2033-01	2	Screw, Cap – Hex Head (M6 x 16mm)	50			Connector – 2 Place – Spec B (P3)
23	812-0028	2	Screw, Machine – Round Head (#4-40 x 5/16")		166-0860	1	# GEAE
24	526-0422	4	Washer, Retainer – Nylon		166-0848	1	^ GEAF
25	815-0550	4	Screw, Fillister Head – Cross Recessed W/IT (#6-32 x 3/8")	51			Socket, Contact (Used in P4) Spec B
26	853-0003	2	Washer, Lock – W/ET (#4)		191-2181	1	^# 18 AWG
27			Harness, Wiring – Engine to Control Spec A (Includes Parts Marked +)		191-2180	2	^# 16 AWG
	338-3129-02	1	GEAD, GEAE	52	191-2179	1	^#Wedge, Connector (Used in P4) Spec B
	338-3253-02	1	GEAF Spec B	53	191-2178	1	^#Connector – 3 Place – Spec B (P4)
	338-3256-02	1	GEAE (Includes Parts Marked #)	54	191-2177	1	^#Socket, Contact (Used in P5) Spec B
	338-3362-02	1	GEAF (Includes Parts Marked ^)	55	191-2176	1	^#Connector – 1 Place – Spec B (P5)
28	323-1492	15	^+#Socket, Contact (Used in J1,P2, J6,J7)	56	350-0980	1	^#Resistor (510 Ohms) (Located in harness sleeving at P4 and P5 end) Spec B
29	323-1582	1	^+#Plug, Connector – 12 Place (J1)				
30	323-1583	1	^+#Wedge, Plug (Used in J1)				

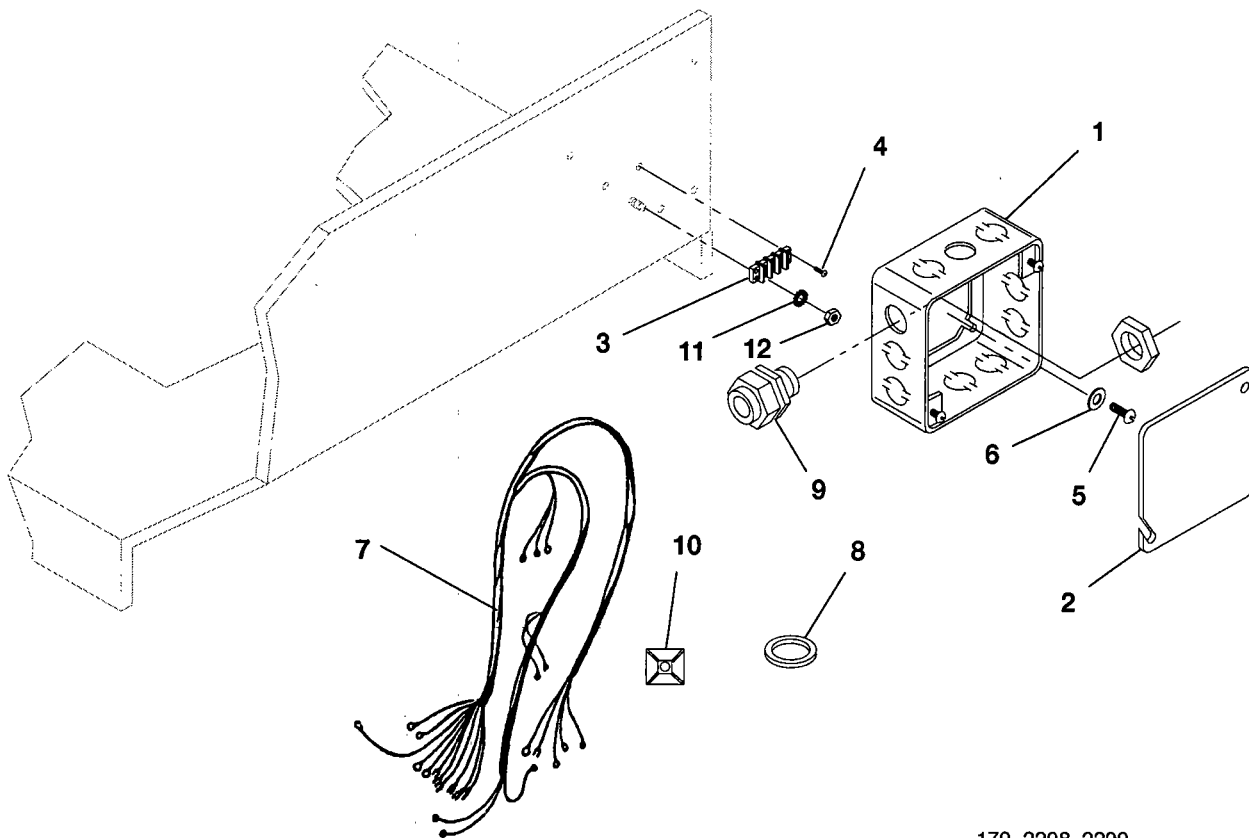
\* – Parts Included in 338-3161-02 Control Panel Wiring Harness

+ – Parts Included in 338-3129-02 and 338-3253-02 Engine Wiring Harnesses

# – Parts Included in 338-3256-02 Engine Wiring Harness

^ – Parts Included in 338-3362-02 Engine Wiring Harness

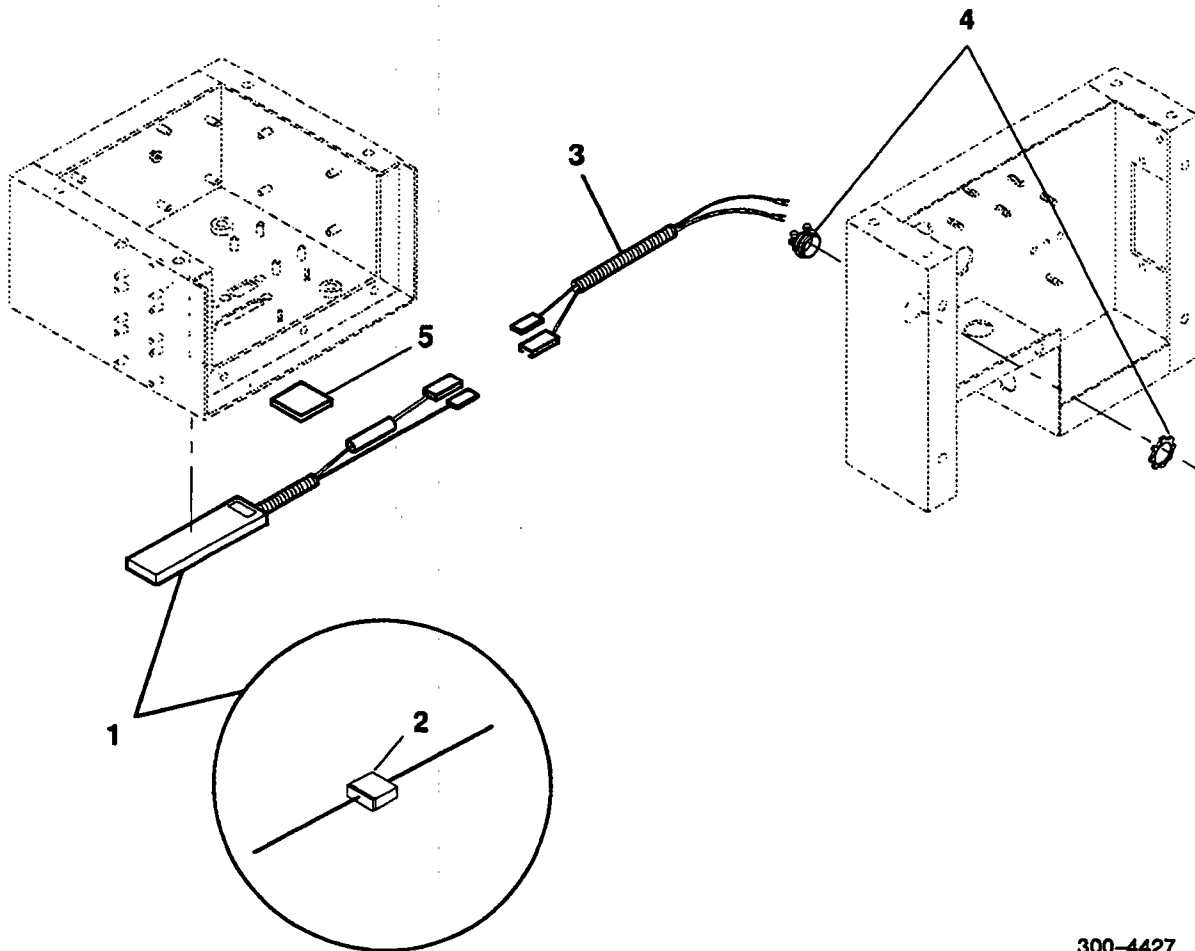
# **Heater Box Spec A, GEAF Spec B**



179-2298, 2299

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2407	1	Box, Extension	8	331-0544	1	Washer, Sealing (Mounted in the transfer switch for routing the heater cable)
2	319-2408	1	Cover, Extension Box	9	331-0027	1	Connector, Romex Mount, Cable Tie (All mounted in the transfer switch for securing the heater cable)
3	332-0611	1	Block, Terminal (3 Place)	10			Spec A
4	815-0544	2	Screw, Machine - Round Head W/IT (#6-32 x 1/2")		332-3338	5	Spec B -- GEAF
5	813-0100	2	Screw, Machine - Round Head (#10-32 x 1/2")		332-3338	8	
6	526-0008	2	Washer, Flat (#10)	11	856-0005	1	Washer, Locking - EIT (#12)
7	335-0174	1	Cable, Heater (3 Wire, 126") Extension Box to Transfer Switch (Includes Hubs)	12	860-2006	1	Nut, Hex (M5)

**Control Heater  
GEAD, GEAF Spec A  
GEAE Spec A, B**

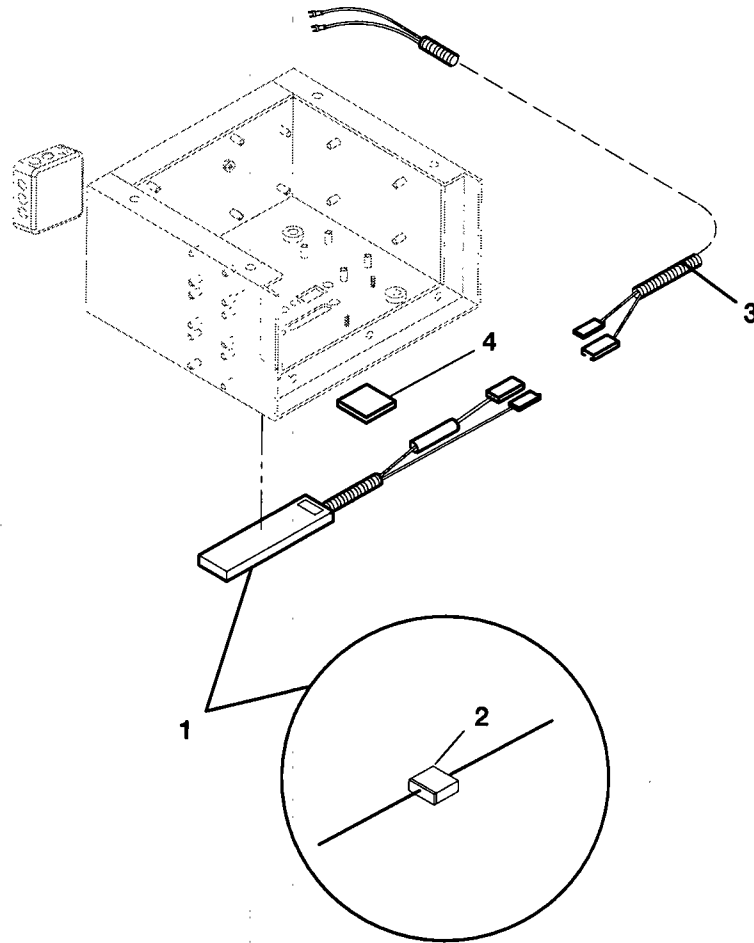


300-4427

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Heater Assembly, Control – 100 Watt (Includes Rectifier)	2	357-0114	1	Rectifier (3 Amp)
	300-4515-01	1	120 Volt	3	338-3120	1	Harness, Wiring – Heater (40")
	300-4515-02	1	240 Volt	4	331-0027	1	Connector, Romex
				5	332-3338	1	Mount, Harness



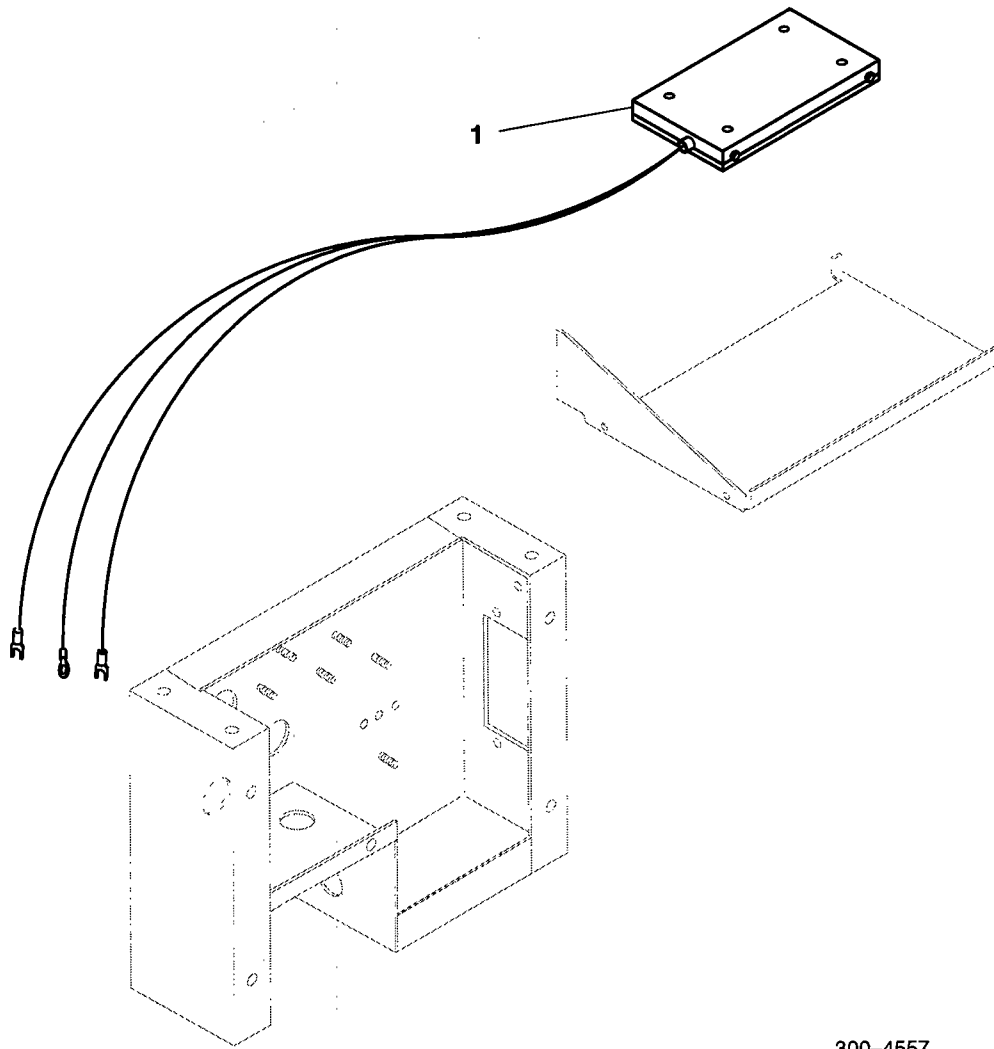
# Control Heater GEAF Spec B



300-4556

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4515-01	1	Heater Assembly, Control - 100 Watt (Includes Rectifier) 120 Volt	2	357-0114	1	Rectifier (3 Amp)
				3	338-3120	1	Harness, Wiring - Heater (40")
				4	332-3338	1	Mount, Harness

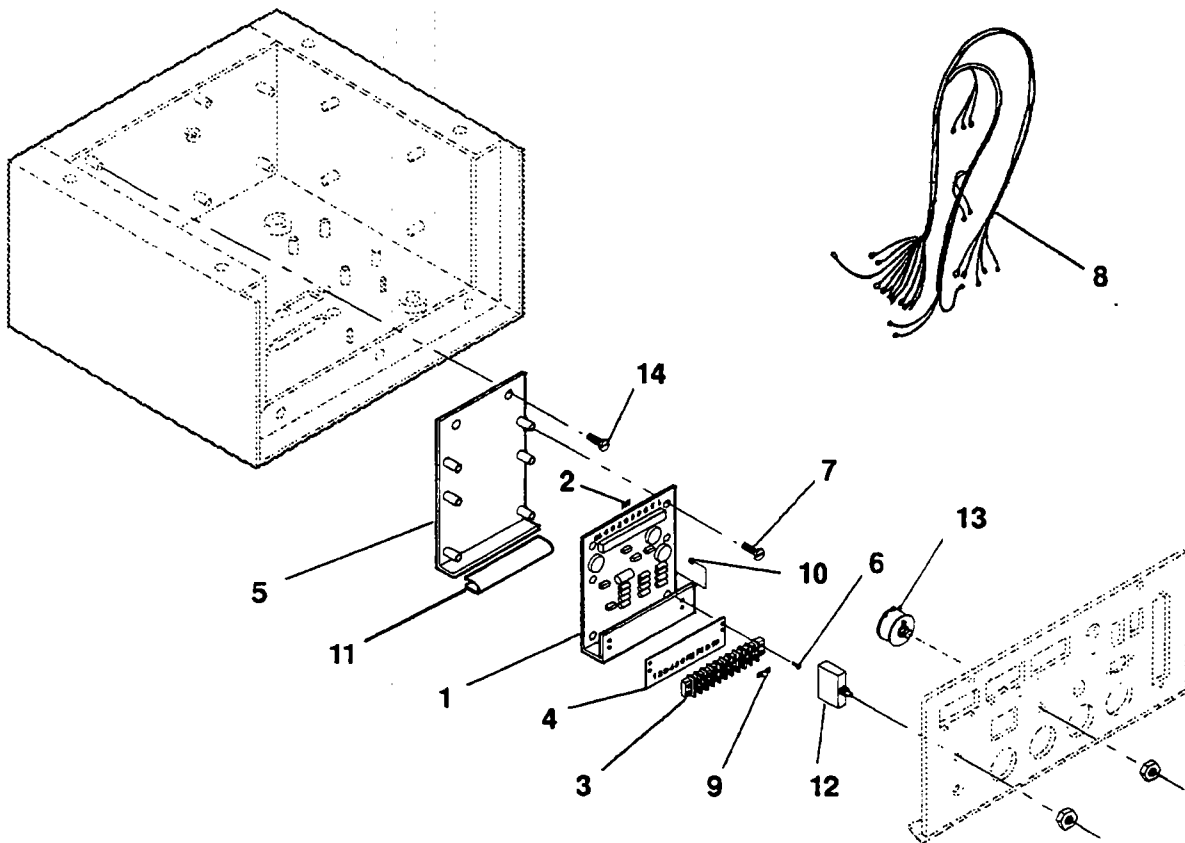
## Battery Heater



300-4557

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	333-0563	1	Heater, Battery (120 Volt, 200 Watts)				

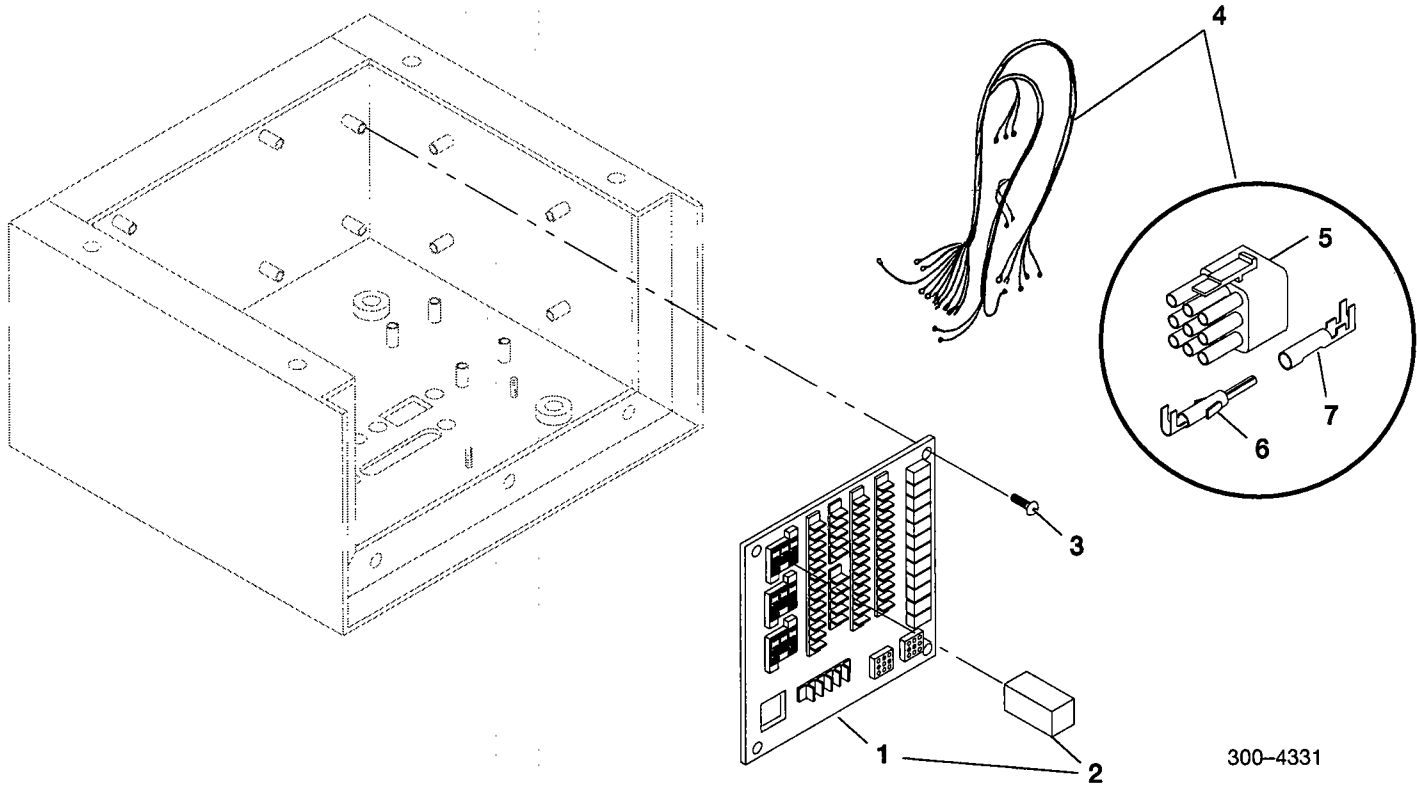
## Voltage Regulator



300-4330

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-2880	1	Board, Printed Circuit – Voltage Regulator (Includes Jumper) (VR21)	8	338-3007	1	Harness, Wiring – Voltage Regulator (6 Wire) (VRTB1 to VRTB21)
2	332-2605	1	Jumper, Terminal (VRTB1-3 to -4) (W1)	9	332-1043	1	Jumper, Terminal (VRTB21-4 to -5)
3	332-0751	1	Block, Terminal (10 Place) (VRTB21)	10	870-0221	2	Nut, Hex – W/ET (#8-32)
4	332-3247	1	Strip, Marker (10 Place)	11	508-0139	–	Channel, Rubber – Bulk (Order by the Foot – 1 Foot Required)
5	319-2145	1	Plate, Mounting – Voltage Regulator	12	320-1688-01	1	Breaker, Circuit – 5 Amp (CB21)
6	812-0082	2	Screw, Machine – Round Head (#8-32 x 3/4")	13	303-0261	1	Potentiometer (R21)
7	815-0550	6	Screw, Machine – Round Head – W/ET (#6-32 x 3/8")	14	815-0428	2	Screw, Pan Head – W/ET (#10-32 x 3/8")

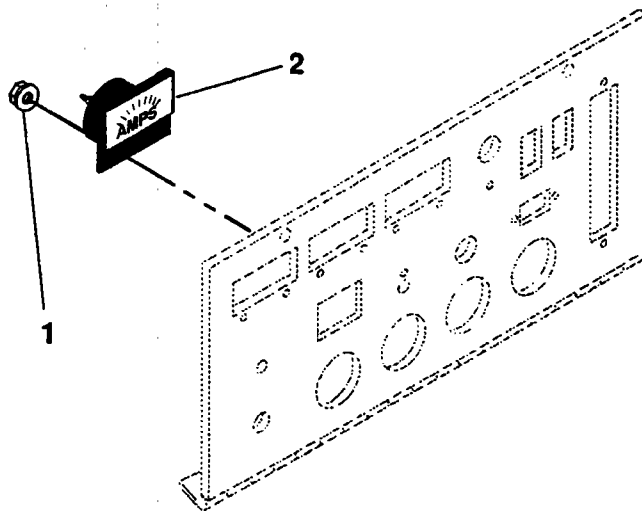
## Alarm Relay Board



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-4111-03	1	Board, Printed Circuit – Alarm Relay (Includes One Relay) (With Form C Contacts)
2	307-1058-01	1	Relay (Quantity Used as Required) (K1,K2,K3)
3	815-0550	6	Screw, Machine – Round Head Cross Recessed W/IT (#6-32 x 3/8")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	338-2875	1	Harness, Wiring (Includes Parts Listed Below)
5	323-1292	1	Plug, Connector 4 Pin (P3)
	323-1291	2	9 Pin (P2,P3)
6	323-1199	9	Pin, Contact
7	323-1200	12	Socket, Contact

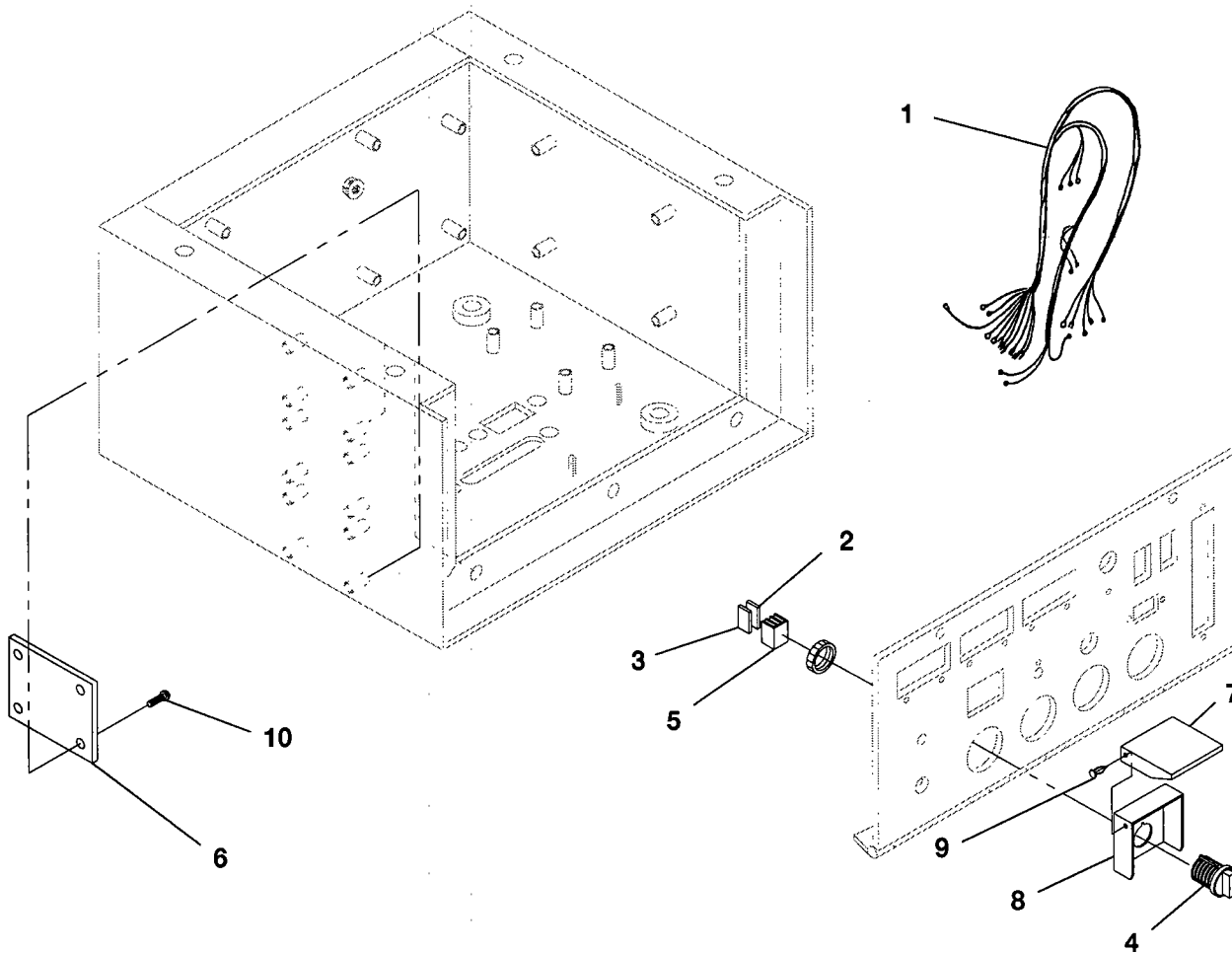
## AC Ammeter



300-4333

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	870-1220	2	Nut, Hex – W/ET (#4-40)	2			Ammeter (M22)
					302-1473	1	0-50/100
					302-1147	1	0-75/150

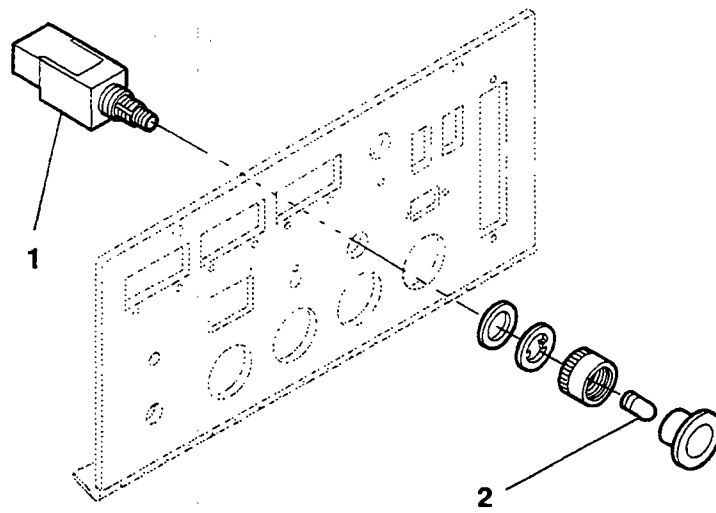
## Emergency Override Switch



300-4488

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-3131	1	Harness, Wiring (A29, TB21, A15 to S15, K12, K13, A11)	5	308-1008-01	1	Clip, Retaining
2	308-1006-01	1	Contact, Switch (Normally Open) (Mounted on right side facing front of control panel)	6	300-4512	1	Board, Printed Circuit (A29)
3	308-1006-02	1	Contact, Switch (Normally Closed) (Mounted on left side facing front of control panel)	7	308-1043-03	1	Cover, Switch
4	308-1007-09	1	Switch, Selector (S15)	8	308-1042-03	1	Base, Switch
				9	517-0290	2	Plug, Hole
				10	815-0550	4	Screw, Machine - Round Head - Cross Recessed W/IT (#6-32 x 3/8")

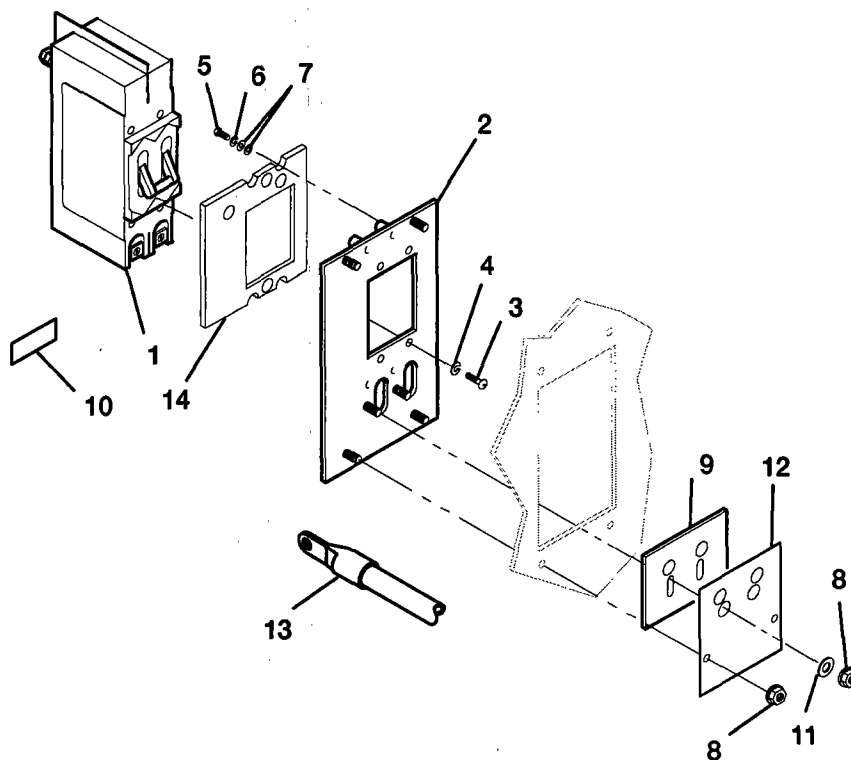
## Emergency Stop Switch



300-4334

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-1026	1	Switch, Pushbutton – Emergency Stop (Includes Bulb) (S14)	2	322-0223	1	Bulb, Replacement

## Circuit Breaker

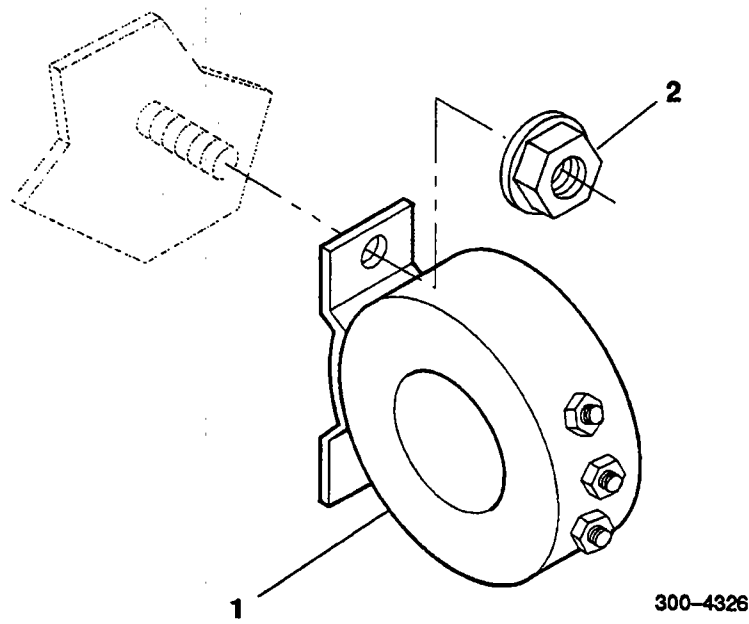


625-2704

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Breaker, Circuit – Two Pole Breakers – 240 Volt (CB21)	7	526-2060	4	Washer, Flat (M5) 150 Amp Breakers
	320-1841-30	1	55 Amp (GEAD)	8	870-2054	6	Nut, Locking – Hex Flange Head (M6)
	320-1841-39	1	100 Amp (GEAE)	9	319-2087	1	Cover, Circuit Breaker
	320-1556-02	1	150 Amp (GEAF)	10	091-0002	1	Strip, Copper (Used for wrapping ends of 150 amp breaker leads before securing to circuit breakers) (Quantity Used as Required)
2			Bracket, Mounting – Circuit Breaker	11	526-2083	2	Washer, Flat (M6)
	319-2084	1	55 and 100 Amp Breakers	12	098-6803	1	Label – Blank (Used as a Hinge) 100 and 150 Amp Breakers
	319-2523	1	150 Amp Breakers	13	226-4645	2	Lead – 150 Amp Breakers
3	812-0061	4	Screw, Machine – Round Head (#6-32 x 3/8") 55 and 100 Amp Breakers	14	319-2624	1	Spacer, Mounting – Circuit Breaker (150 Amp Breakers) (Used on some early models)
4	850-0020	4	Washer, Lock – Spring (#6) 55 and 100 Amp Breakers				
5	815-0865-16	2	Screw, Machine – Pan Head – Slotted (M4 x 60mm) 150 Amp Breakers				
6	850-2005	2	Washer, Lock – Spring (M5) 150 Amp Breakers				

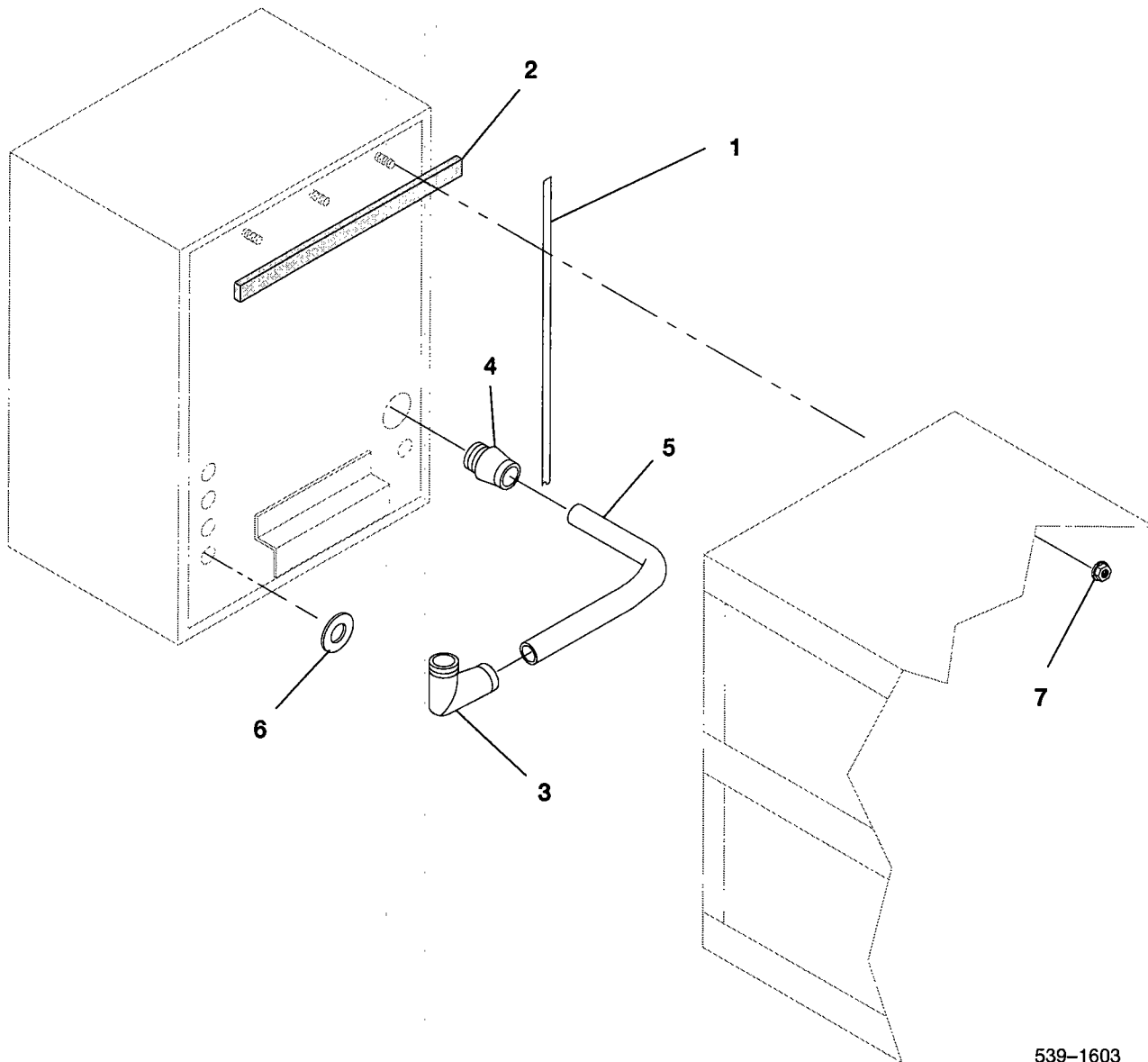


**Current Transformer**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	302-1984-04	2	Transformer, Current – Ratio 75/5 (CT21,CT22)	2	870-2054	6	Nut, Locking – Hex Flange (M6)

## Transfer Switch



539-1603  
539-1702

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	895-0172	-	Tape, Sealing Bulk (11/16" Thk x 1-1/4" Wide) (Order by the Foot - 7 Feet Required) GEAD, GEAF Spec A, GEAE Spec A, B	3	331-0548	1	Connector, Elbow - 90 Deg - Liquid Tight (1")
	895-0170	-	Bulk (3/8" Thk x 3/4" Wide) (Order by the Foot - 6 Feet Required) GEAF Spec B	4	331-0546	1	Connector - Liquid Tight (1")
2	895-0308	-	Tape, Sealing - Bulk (1/8" Thk x 1" Wide) (Order by the Foot - 2 Feet Required) Not for GEAF Spec B	5	331-0549	-	Conduit - Bulk - Liquid Tight (1") (Order by the Foot - 2 Feet Required)
				6	331-0544	5	Washer, Sealing
				7	870-2055	3	Nut, Locking - Flange Head (M8)

**Note:** For OT125 transfer switch service replacement parts order transfer switch parts catalog number 962-0218.

**Note:** For OT225 transfer switch service replacement parts order transfer switch parts catalog number 962-0219.

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